

LOCATION MAP
SCALE: NTS

HOLDER WRIGHT PARK VISITOR ORIENTATION CENTER

DUBLIN, OHIO

SEPTEMBER, 2015

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LIST OF STANDARD DRAWINGS:

THE STANDARD DRAWINGS LISTED ON THESE PLANS SHALL BE CONSIDERED A PART THEREOF.

CITY OF DUBLIN		CITY OF COLUMBUS		
ST-01	MD-01	AA-S102	L-1001	2190
ST-03	PD-01	AA-S119	L-1003	
ST-04	PD-02	AA-S125A	L-1004	
ST-05	PD-03	AA-S128	L-6306	
WA-01	PD-04	AA-S134	L-6309 A & B	
	RD-01	AA-S139	L-6310	
	RD-05	AA-S151	L-6311	
	RD-06	AA-S161	L-6312	
	RD-07	AA-S166	L-6316A	
	SA-03	AA-S168	L-6317D	
		AA-S169	L-6409	
			L-6637A	
			L-6640	
			L-7001	
			L-8503	
			L-9002E	
			L-9901	

OWNER/DEVELOPER

CITY OF DUBLIN
MATT EARMAN,
PARKS & RECREATION DEPARTMENT DIRECTOR
6555 SHIER-RINGS ROAD
DUBLIN, OH 43016
VOICE: 614-410-4700

ENGINEER

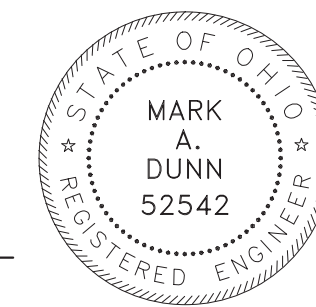
CT CONSULTANTS
7965 N. HIGH STREET, SUITE 340
COLUMBUS, OHIO 43235
ATTN: MATT SIMPSON
VOICE: 614-885-1700
FAX: 614-885-1701

SIGNATURES

PARKS & RECREATION DEPARTMENT DIRECTOR DATE

SIGNATURES ABOVE SIGNIFY ONLY CONCURRENCE WITH THE GENERAL PURPOSES AND GENERAL LOCATION OF THE PROJECT. ALL TECHNICAL DETAILS REMAIN THE RESPONSIBILITY OF THE ENGINEER PREPARING THE PLANS.

MARK A. DUNN, P.E.



DATE

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE CONSTRUCTION OF ASPHALT DRIVEWAY, PARKING LOT, RESTROOM FACILITY, ASPHALT PATHS, SPECIALTY CONCRETE PATIO, ASSOCIATED UTILITIES, EROSION CONTROL AND OTHER APPURTENANCES FOR A COMPLETE PARK FACILITY.

BASIS OF BEARINGS

BEARINGS ARE BASED ON DATA ACQUIRED BY GPS OBSERVATIONS AS PER NAD 83 (2011)-OHIO STATE PLANE COORDINATE SYSTEM-NORTH ZONE USING MONUMENT QHMA FROM THE OHIO DEPARTMENT OF TRANSPORTATION CORRS NETWORK.

SURVEY NOTE

UNDERGROUND UTILITIES SHOWN HEREON ARE BASED ON FIELD MARKINGS (BY OTHERS) AND AVAILABLE RECORDS AND AS SUCH, SHOULD BE FIELD VERIFIED PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY.

TOPOGRAPHIC SOURCES:

CT CONSULTANTS, MARCH 2015

FLOOD DESIGNATION

SUBJECT PROPERTY LIES WITHIN ZONES "AE" AN AREA DESIGNATED AS INSIDE THE 500 YEAR FLOODPLAIN, AND ZONE X AS SHOWN ON FEDERAL EMERGENCY MANAGEMENT AGENCY, FIRM, COMMUNITY PANEL NO. 39049C0151K, JUNE 17, 2008.

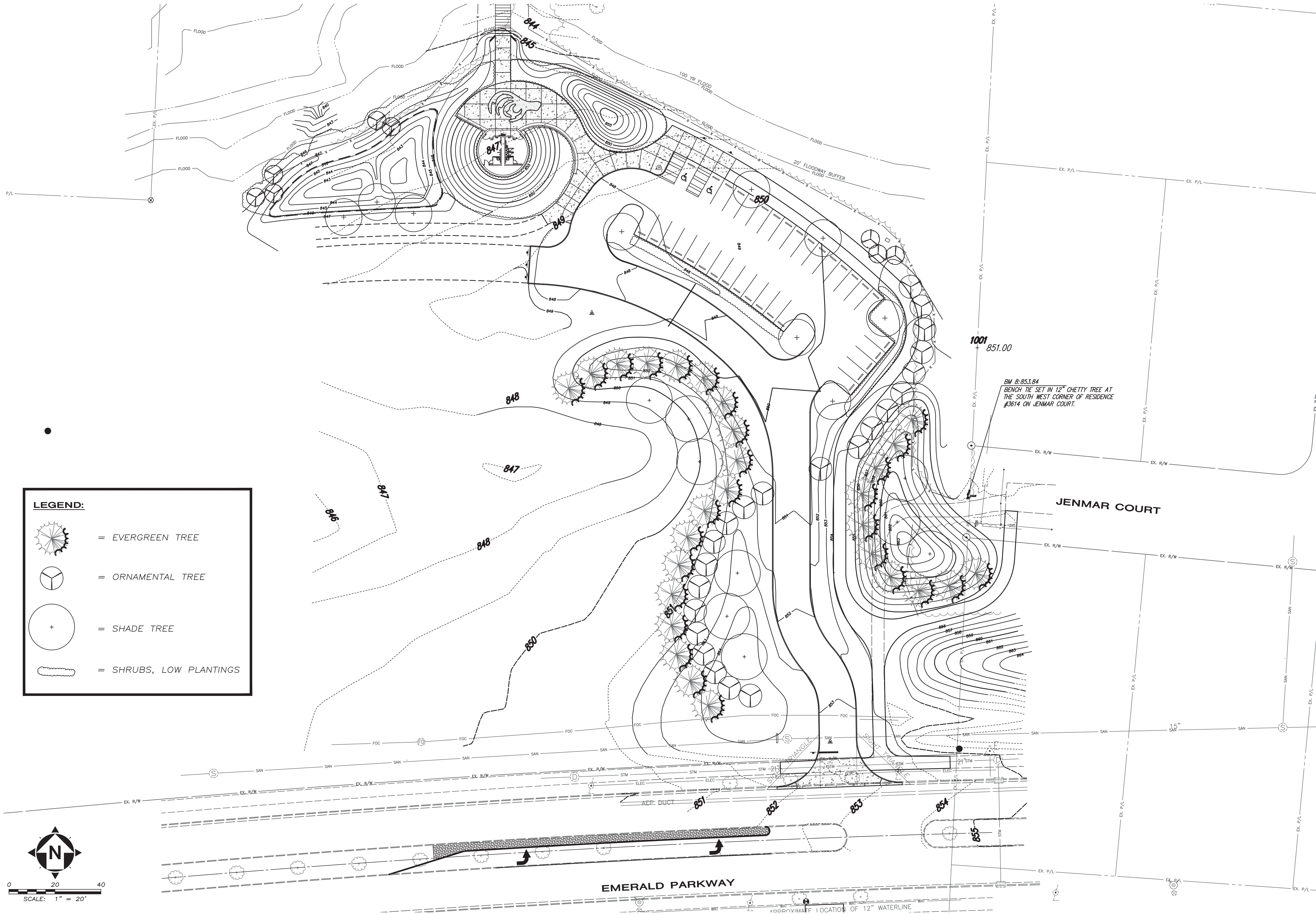
NO.	REVISION	DATE

HOLDER WRIGHT PARK
VISITOR ORIENTATION CENTER
CITY OF DUBLIN
COVER SHEET



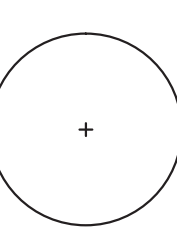
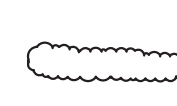
PROJECT NO: 14626	
SHEET 1	OF 13



1-800-362-2764
CALL TWO WORKING DAYS BEFORE YOU DIG
(NON MEMBERS MUST BE CALLED DIRECTLY)
TICKET NO. = A500600174
A500600179



LEGEND:

-  = EVERGREEN TREE
-  = ORNAMENTAL TREE
-  = SHADE TREE
-  = SHRUBS, LOW PLANTINGS

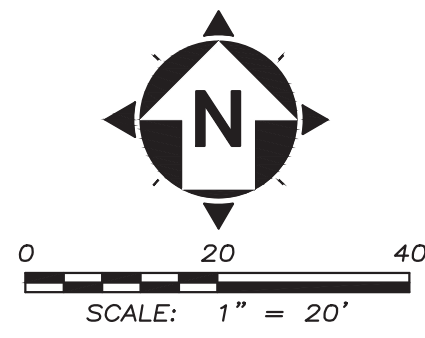
BM 8: 853.84
 BENCH TIE SET IN 12" CHETTY TREE AT
 THE SOUTH WEST CORNER OF RESIDENCE
 #3614 ON JENMAR COURT.

1001
 851.00

JENMAR COURT

EMERALD PARKWAY

APPROXIMATE LOCATION OF 12" WATERLINE



\\COL-FS1\COL-VOL\3014\14626\DWG\PLAN\14626 - 2016 LANDSCAPE PLAN\DWG - 8/23/2016 4:10:10 PM - LEVINGER

CT Consultants
engineers | architects | planners
 Northwoods I Building - 7905 N. High Street - Suite 340, Columbus, Ohio 43235
 Phone: 614-885-1700 - Fax: 614-885-1701 - www.ctconsultants.com

NO.	REVISION	DATE

HOLDER WRIGHT PARK
VISITOR ORIENTATION CENTER
CITY OF DUBLIN

Site Plan

PROJECT NO:
14626





SHEET **6** OF **14**

DRAWING SCALE:
 • HORIZ: 1" = 20'
 • VERT: 1" = 10'

DATE: 8/23/16
 DESIGNED BY:
 DRAWN BY:
 CHECKED BY:

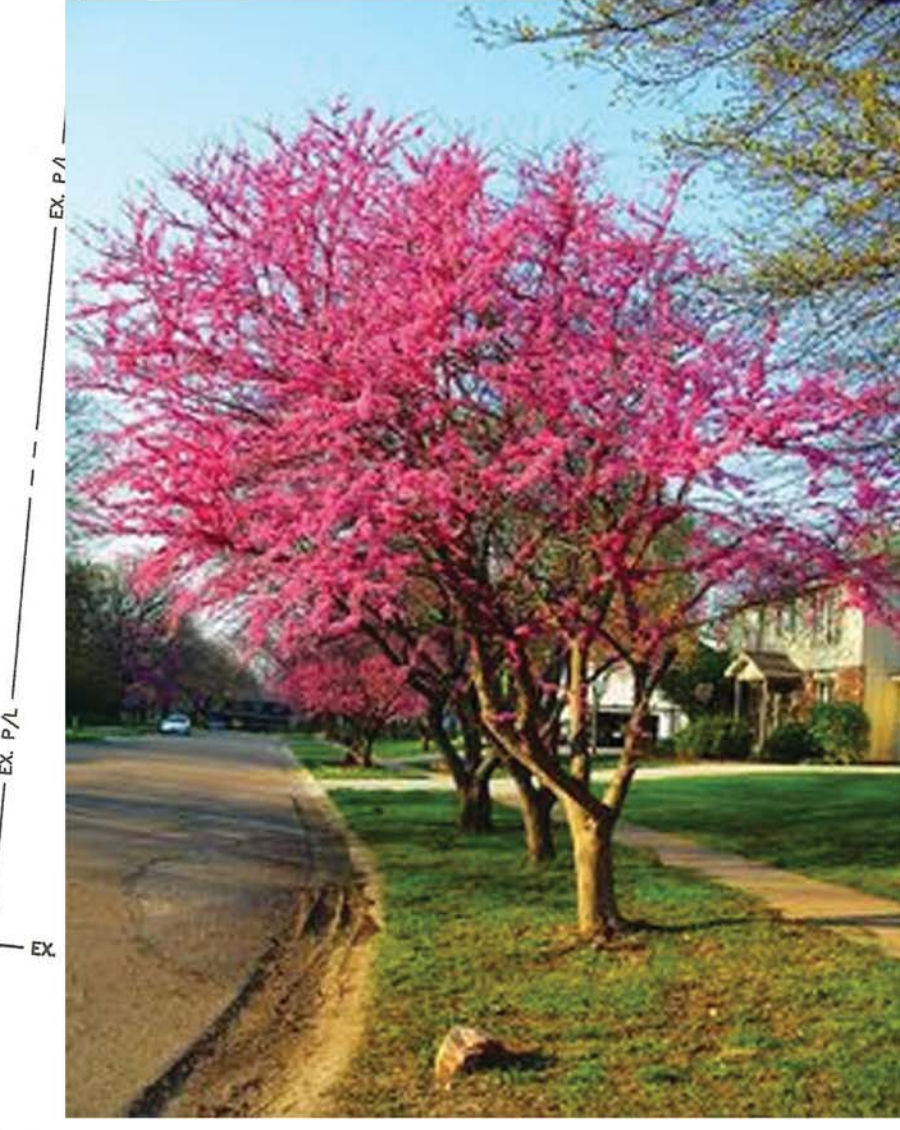


LEGEND:

-  = EVERGREEN TREE
-  = ORNAMENTAL TREE
-  = SHADE TREE
-  = SHRUBS, LOW PLANTINGS



WHITE PINE TREES



REDBUD TREES



SWAMP WHITE OAK TREES

BM R. 853.84
BENCH THE SET IN 12" CHETTY TREE AT
THE SOUTH WEST CORNER OF RESIDENCE
#3614 ON JENMAR COURT.

NO.	REVISION	DATE

DRAWING SCALE:	NO.
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VERT: 1" = 20'	
DATE:	DESIGNED BY:
8/23/16	
	DRAWN BY:
	CHECKED BY:

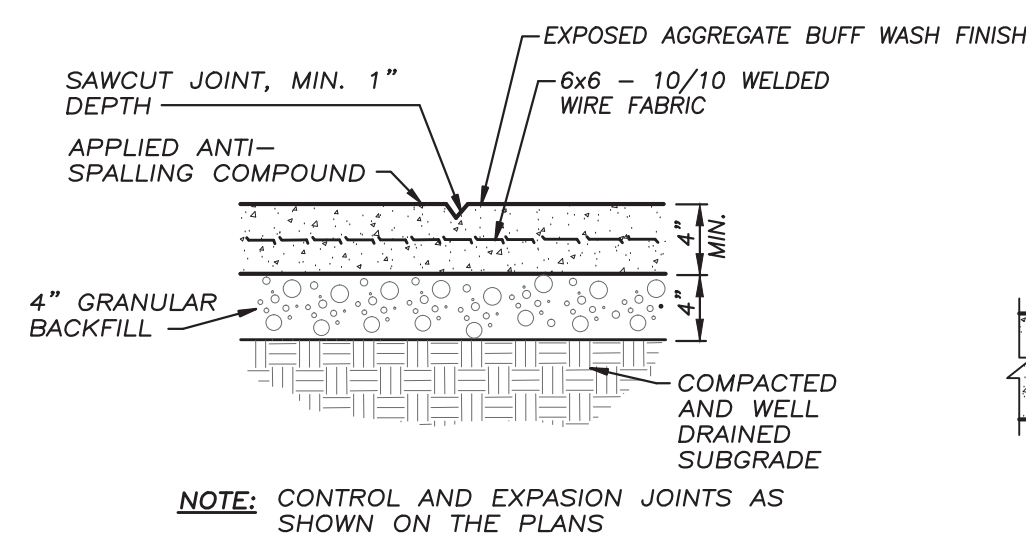
HOLDER WRIGHT PARK
VISITOR ORIENTATION CENTER
CITY OF DUBLIN

PROJECT NO:
14626

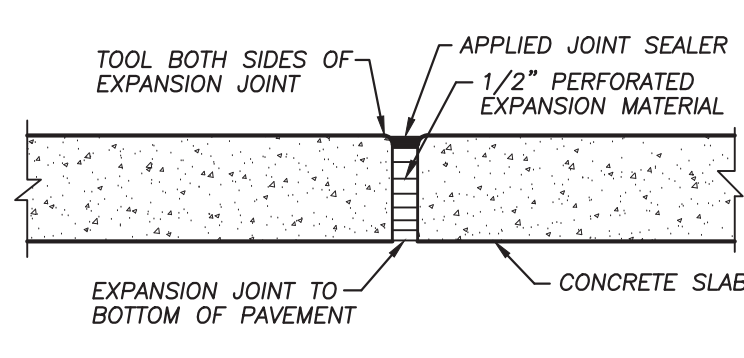
SHEET **6** OF **14**

Site Plan

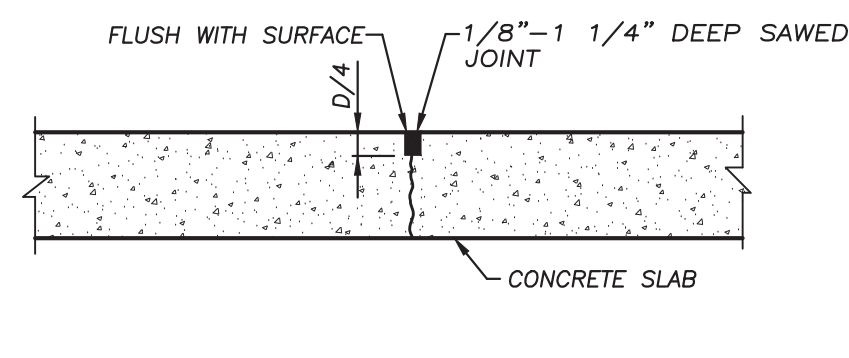
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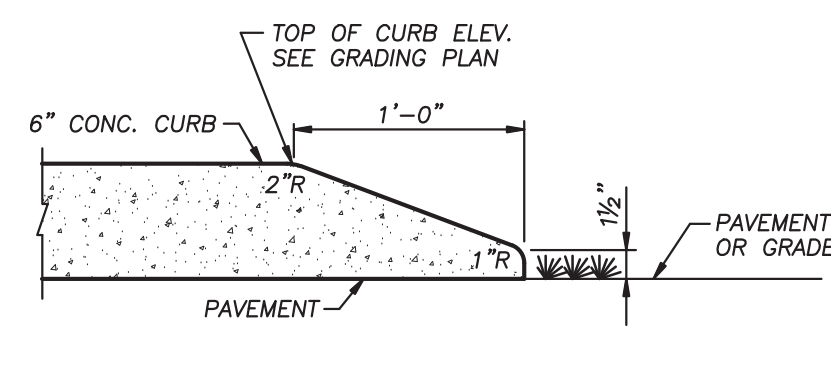
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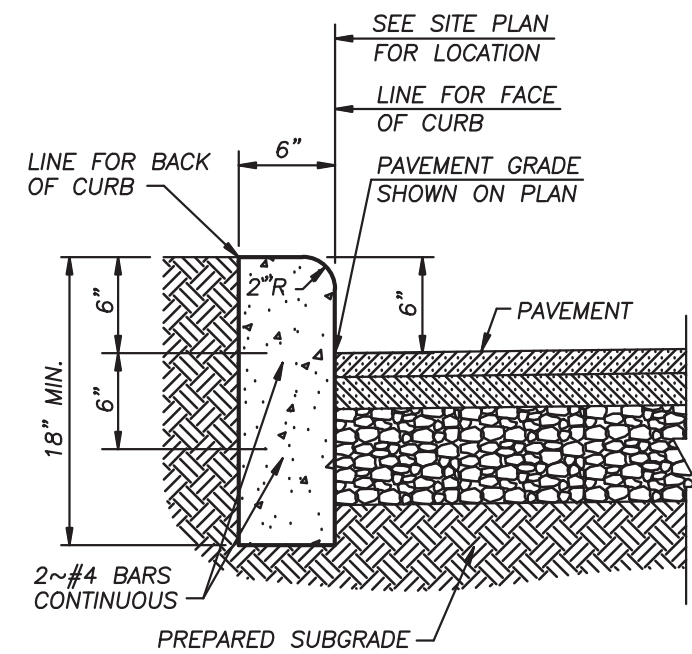
EXPANSION JOINT DETAIL
NTS



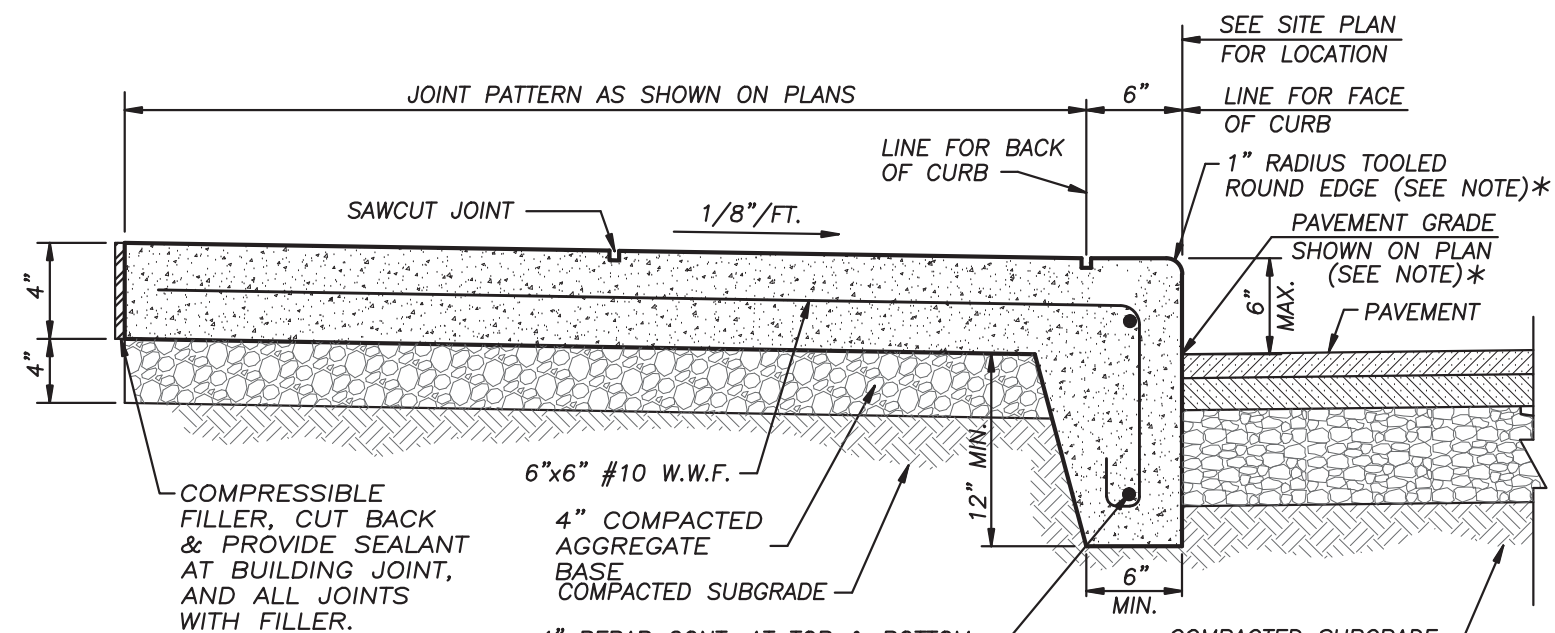
CONTRACTION JOINT
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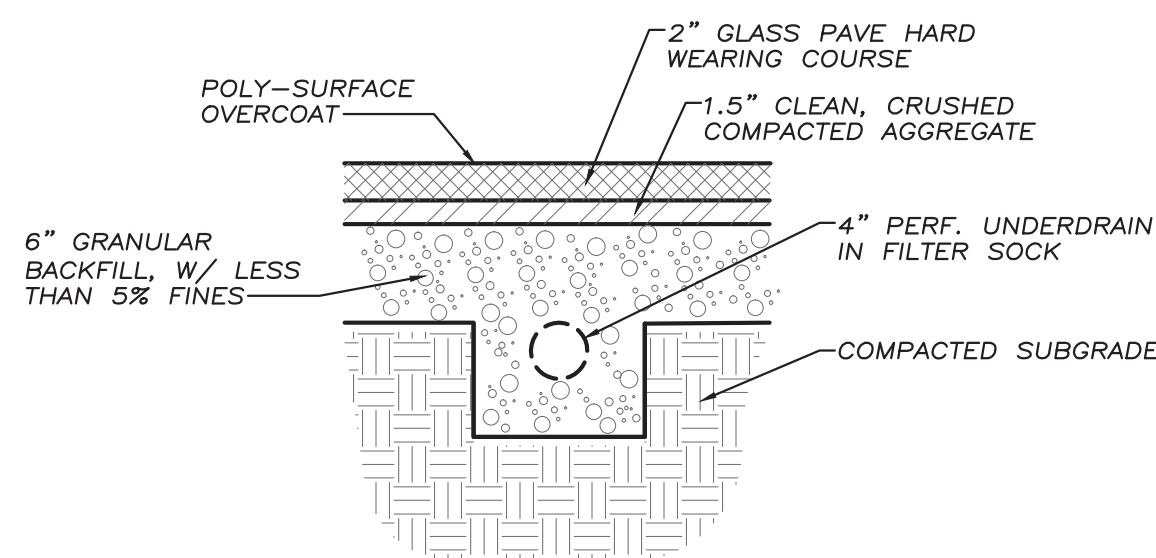
CONCRETE CURB END TAPER
NTS



VERTICAL CURB
NTS

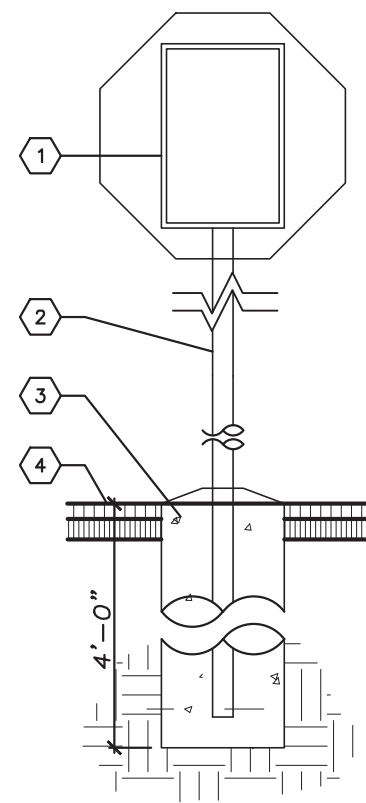


INTEGRAL WALK AND CURB
NTS



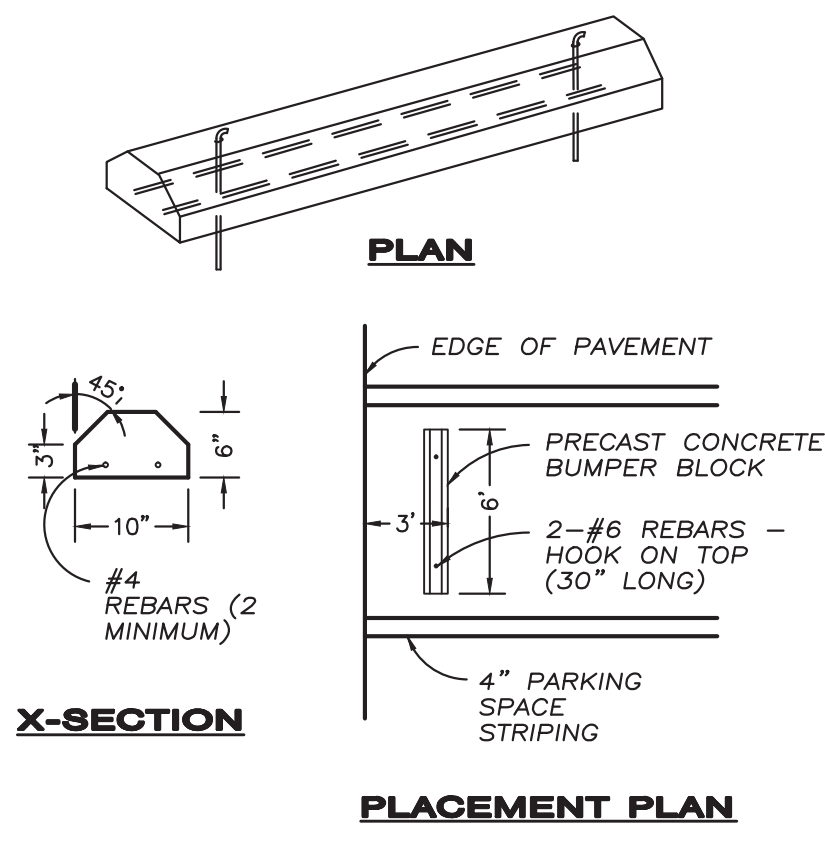
GLASS FILTER PAVE
NTS

- NOTE:**
- GLASS FILTER PAVE TO BE BY FILTERPAVE PRODUCTS LLC. ONLY GLASS PURCHASED THROUGH FILTERPAVE PRODUCTS OR AN AUTHORIZED AGENT IS ACCEPTABLE. COLOR TO BE SEDONA RED. CONTACT: FILTER PAVE, SCOTT WENDLING, (573) 228-9025, CELL: (573) 219-0127
 - INSTALL PER MANUFACTURER'S SPECIFICATIONS/INSTRUCTIONS. THE BINDER SHALL BE MANUFACTURED SPECIFICALLY FOR USE IN THE FILTERPAVE PAVEMENT SYSTEM.
 - CONTRACTOR SHALL SUBMIT PRODUCT CUT SHEETS AND COLOR SAMPLE FOR THE OWNER'S APPROVAL PRIOR TO INSTALLATION.
 - CONTRACTOR SHALL FORM THE "BIRD CLAW" FOR THE OWNER'S APPROVAL PRIOR TO INSTALLATION OF CONCRETE AND/OR FILTER PAVE.
 - CONTRACTOR SHALL FORM THE "BIRD CLAW" FOR THE OWNER'S APPROVAL PRIOR TO INSTALLATION OF CONCRETE AND/OR FILTER PAVE.
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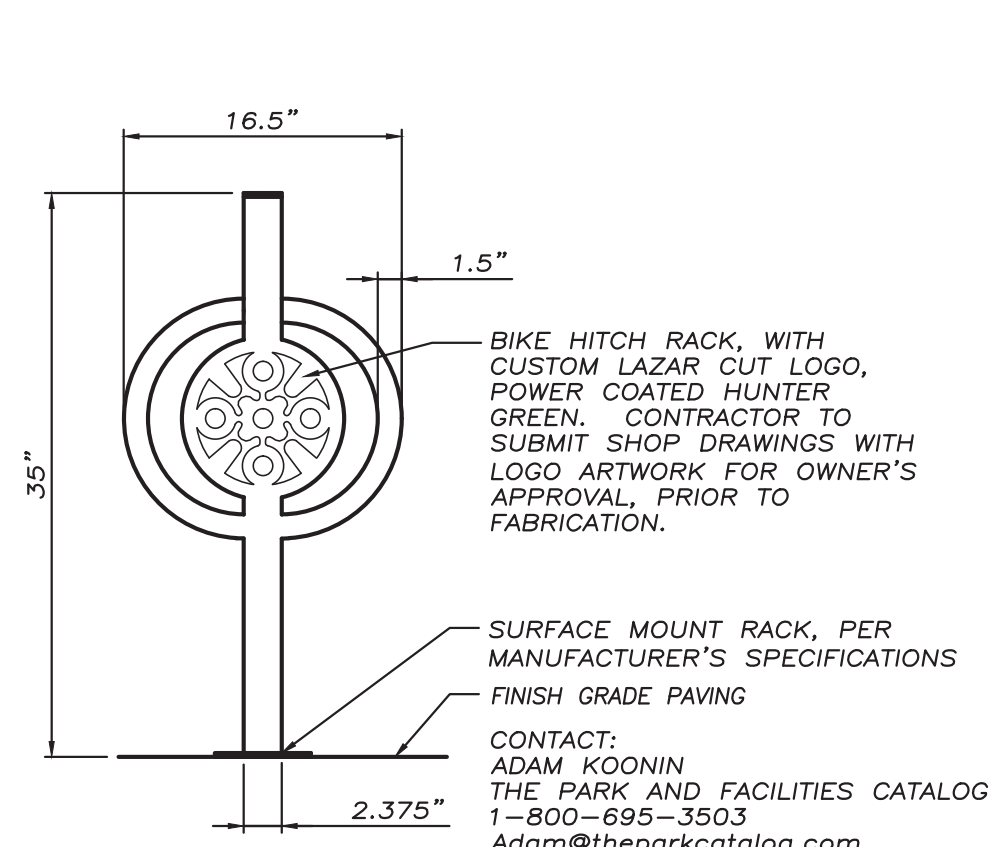


TRAFFIC DIRECTIONAL SIGN
NTS

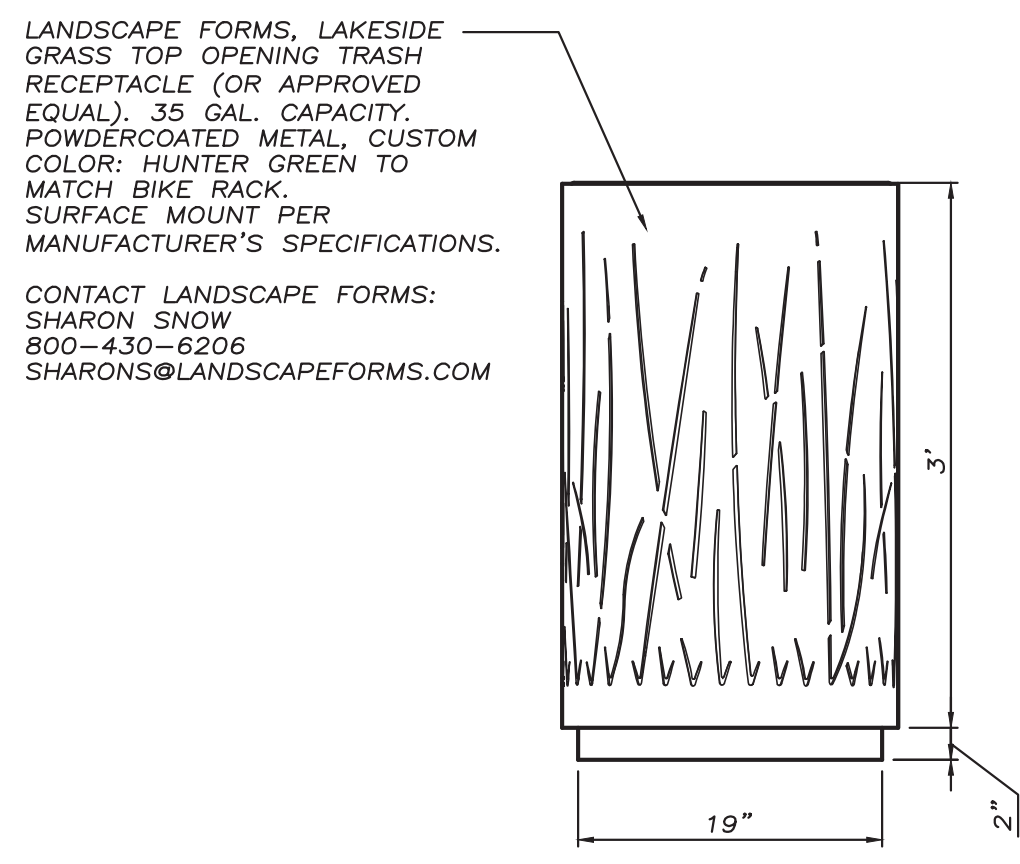
- KEYED NOTES:**
- TRAFFIC DIRECTIONAL SIGN.
 - 2" X 2" STEEL TUBE EXTENDED INTO CONCRETE FILLED 4" PIPE.
 - 12" X 6" CONCRETE FOUNDATION 6" BELOW FROST LINE (4 FT. MINIMUM BELOW FIN. GRADE).
 - FINISHED GRADE.



PARKING BLOCK DETAIL
NTS



BIKE RACK DETAIL
NTS



TRASH REC. DETAIL
NTS

ESTIMATE OF QUANTITIES			
ITEM	QTY	UNIT	DESCRIPTION
SITE PREPARATION			
201	1	LUMP	CLEARING AND GRUBBING
202	81	LF	CURB REMOVAL
202	25	LF	RCP REMOVAL
202	122	SY	ASPHALT REMOVAL
PAVEMENT			
203	1,002	CY	EXCAVATION AND EARTHWORK
204	1,519	SY	SUBGRADE COMPACTION
204	1	HOUR	PROOF ROLLING
301	160	CY	BITUMINOUS AGGREGATE BASE
304	648	CY	AGGREGATE BASE
407	2,592	SY	TACK COAT
448	216	CY	ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 2
448	90	CY	ASPHALT CONCRETE, SURFACE COURSE, TYPE 1
609	886	LF	18" VERTICAL CURB
609	1	EA	CONCRETE ACCESS DRIVE APRON
609	97	LF	INTRREGAL CURB AND WALK
614	1	LUMP	MAINTAINING TRAFFIC
630	1	EA	STOP SIGN
630	2	EA	ADA SIGN
642	12	LF	STOP LINE
659	5,000	SY	FINISH GRADE, SEEDING AND MULCHING
SPEC	33	EA	PARKING BLOCKS
642	486	LF	4" PARKING LOT STRIPING
642	2	EA	ADA PAVEMENT MARKING
625	64	LF	CONDUIT SLEEVE, 3" (FOR FUTURE LIGHTING)
PLAZA			
203	112	CY	EXCAVATION AND EARTHWORK
204	505	SY	SUBGRADE COMPACTION
304	57	CY	AGGREGATE BASE
608	4,354	SF	CONCRETE SIDEWALK (BUFF WASH)
SPEC	276	SF	FILTER PAVE SPECIALTY PAVING
SPEC	4	EA	BIKE RACK
SPEC	1	EA	TRASH RECEPTACLE
SPEC	2	EA	INTERPRETIVE SIGN
UTILITIES			
SPEC	100	LF	WATER LINE DIRECTIONAL DRILLING
803	1	EA	WATER LINE, CONNECT TO EXISTING
801	533	LF	8" WATER LINE
805	70	LF	2" WATER SERVICE
809	2	EA	FIRE HYDRANT
901	471	LF	6" SANITARY SERVICE
915	4	EA	SANITARY CLEANOUT
901	59	LF	12" STORM LINE
901	155	LF	15" STORM LINE
901	415	LF	18" STORM LINE
605	70	LF	4" DRAIN
604	4	EA	CATCH BASIN
604	2	EA	CURB INLET
604	1	EA	OUTLET STRUCTURE
602	1	EA	ENDWALL
602	2	EA	HEADWALL
SPEC	1	LUMP	ELECTRIC SERVICE
ASPHALT PATH (STANDARD)			
203	145	CY	EXCAVATION AND EARTHWORK
204	578	SY	SUBGRADE COMPACTION
204	1	HOUR	PROOF ROLLING
409	50	LF	SAWING AND SEALING ASPHALT CONCRETE PAVEMENT JOINTS
304	96	CY	AGGREGATE BASE
407	578	SY	TACK COAT
404	40	CY	ASPHALT CONCRETE SURFACE
608	90	SF	CONCRETE WALK
EROSION CONTROL			
207	700	LF	STRAW WATTLE BARRIER
207	7	EA	INLET PROTECTION
207	1	EA	CONCRETE WASHOUT
207	1	EA	CONSTRUCTION ENTRANCE
207	3	CY	ROCK CHANNEL PROTECTION
207	1	EA	SEDIMENT BASIN
MISC			
624	1	LS	MOBILIZATION
SPEC	1	LS	RESTROOM ARCHITECTURE (SEE BUILDING PLANS)
SPEC	1	LS	LANDSCAPING (SEE PLANTING PLANS)
SPEC	1	LS	PEDESTRIAN BRIDGE (SEE BRIDGE PLANS)

THE CONTRACTOR SHALL VERIFY ALL QUANTITIES PRIOR TO PREPARING AND SUBMITTING HIS BID. ANY ITEMS OF WORK CALLED FOR ON THE PLANS FOR WHICH NO SPECIFIC METHOD OF PAYMENT IS INDICATED SHALL BE PERFORMED BY THE CONTRACTOR AND THE COST INCLUDED IN THE PRICE BID FOR VARIOUS RELATED ITEMS.

DATE	REVISION	NO.	DRAWING SCALE:	CHECKED BY:
			HORIZ: N/A VERT: N/A	MAD
			DATE: 5/29/15	MBS
			DESIGNED BY: MBS	MBS
			DRAWN BY:	MBS

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Stained Wood Railings and Posts

Wire Mesh

Stone Piers to Match Restroom Seat Wall

Authentic Hopewell Images to Reinforce Theme



HOLDER WRIGHT PARK

Timber Pedestrian Bridge Concepts
Modified Trenton Country Club

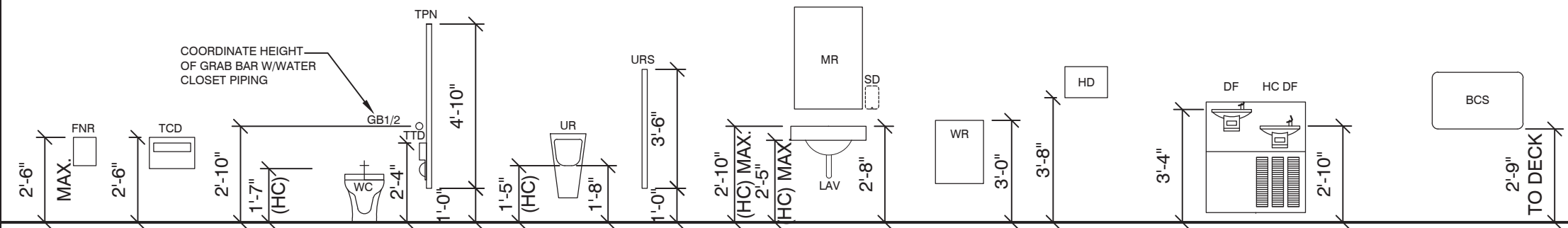


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Holder-Wright Visitor Center Restroom

Dublin, OH

Project number	14626	Date	03/27/2015
Drawn by	CKNI	Scale	12" = 1'-0"



TYP. TOILET FIXTURE AND ACCESSORY MOUNTING

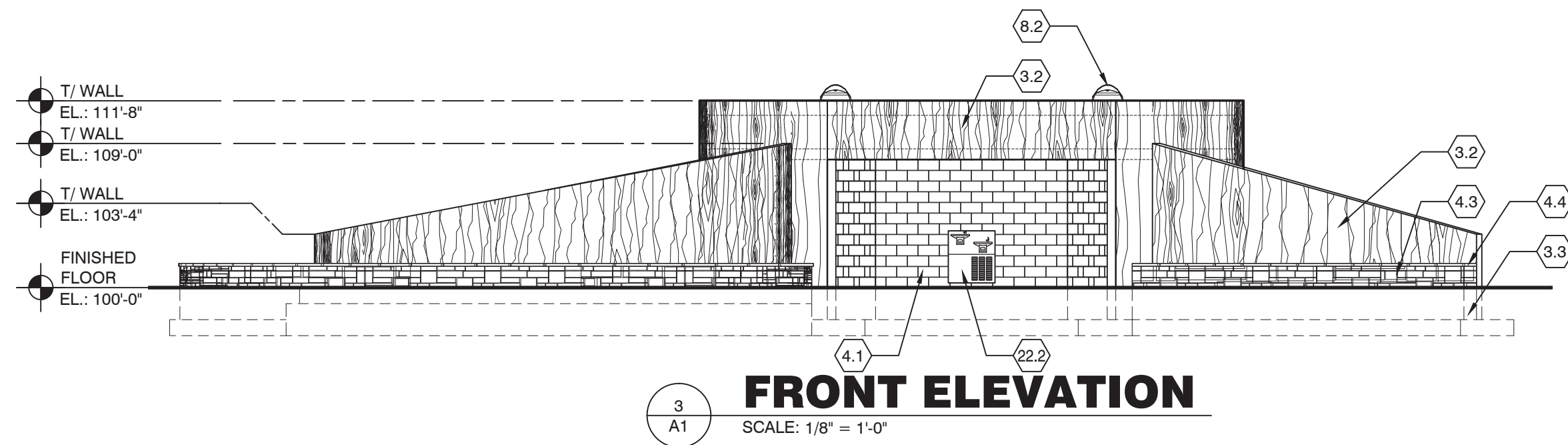
SCALE: 1/4" = 1'-0"

TOILET ROOM ACCESSORIES SCHEDULE

ALL FIXTURES INDICATED TO BE HANDICAPPED ACCESSIBLE (HC) SHALL BE INSTALLED AT HEIGHTS AND LOCATIONS THAT ARE ACCESSIBLE PER ADA GUIDELINES. ALL OTHER ACCESSORIES SHALL BE INSTALLED AT HEIGHTS RECOMMENDED BY MFR.

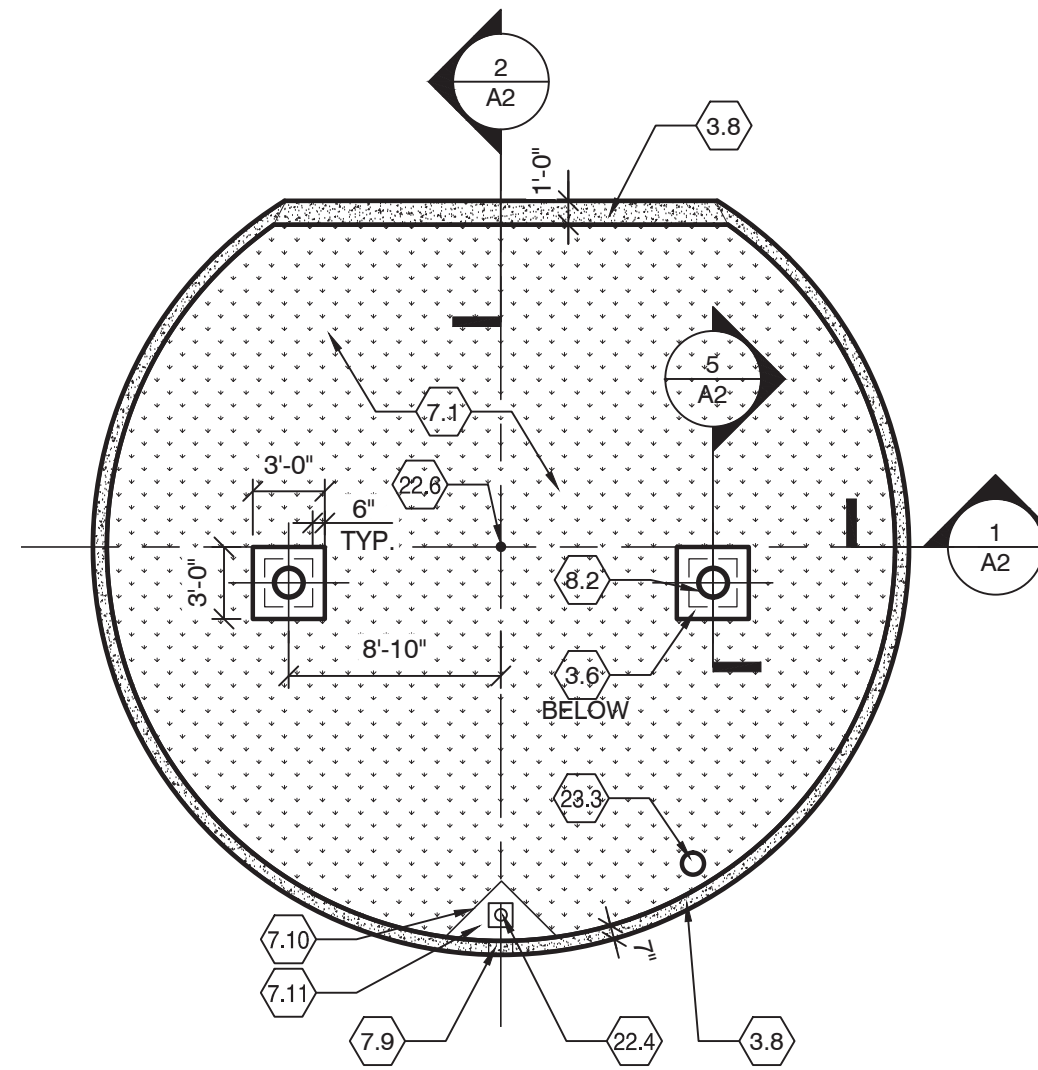
SEE PLANS FOR QUANTITY AND LOCATION OF ACCESSORIES.

TAG	ITEM	MFG. NO. / DESCRIPTION
BCS	BABY CHANGING STATION	KOALA KARE KB110-SSWM
DF	DRINKING FOUNTAIN	SEE PLUMBING DRAWINGS.
FD	FLOOR DRAIN	SEE PLUMBING DRAWINGS.
FNR	FEMININE NAPKIN RECEPTACLE	BOBRICK MODEL B-270.
GB1	GRAB BAR 36"	BOBRICK MODEL B6806-36.
GB2	GRAB BAR 42"	BOBRICK MODEL B6806-42.
GB3	GRAB BAR 24" (VERTICAL)	BOBRICK MODEL B6806-24.
HD	HAND DRYER	DYSON AIRBLADE V 301829-01
LAV	WALL HUNG LAVATORY	SEE PLUMBING DRAWINGS.
MR	STAINLESS STEEL MIRROR	BOBRICK MODEL B-1556 2436.
SD	SOAP DISPENSER	BY OWNER.
TPN	TOILET PARTITION CEILING HUNG	SOLID-POLYMER PARTITIONS. SEE SPECIFICATIONS.
TCD	TOILET SEAT COVER DISPENSER	BOBRICK B-4221
TTD	TOILET TISSUE DISPENSER	BOBRICK MODEL B-2892
UR/ HC	URINAL / HANDICAPPED URINAL	SEE PLUMBING DRAWINGS
URS	URINAL SCREEN	SOLID-POLYMER PARTITIONS. SEE SPECIFICATIONS.
WC / HC	WATER CLOSET / HANDICAPPED WATER CLOSET	SEE PLUMBING DRAWINGS.
WH	WATER HYDRANT / HOSE BIBB	SEE PLUMBING DRAWINGS.
WR	WASTE RECEPTACLE	BOBRICK MODEL B-277



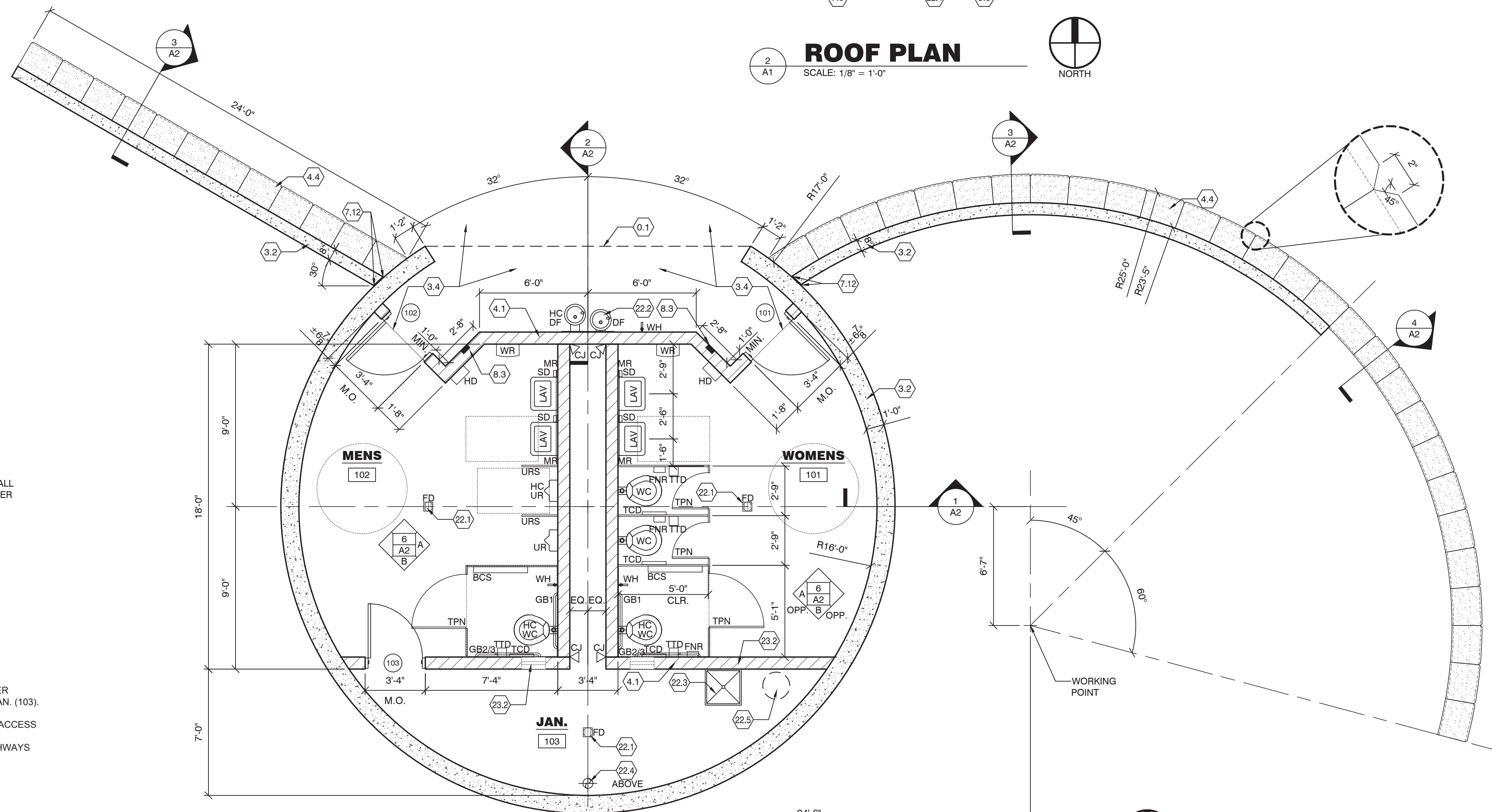
FRONT ELEVATION

SCALE: 1/8" = 1'-0"



ROOF PLAN

SCALE: 1/8" = 1'-0"



FLOOR PLAN

SCALE: 1/4" = 1'-0"



GENERAL OPENING NOTES:

- HOLLOW METAL DOORS AND FRAMES SHALL BE 54 MIL. THICK (16 GAUGE), 4" HEAD.
- HINGES SHALL BE FULL MORTISED, HEAVY DUTY, BALL BEARING, STAINLESS STEEL. THREE NRP HINGES PER DOOR.
- LOCKSETS SHALL BE MORTISED, STAINLESS STEEL SETS WITH LEVER TRIM. REVIEW KEYING REQUIREMENTS WITH OWNER.
- PAINT ALL HOLLOW METAL DOORS AND FRAMES.
- UNDERCUT DOORS 3/4" MIN.

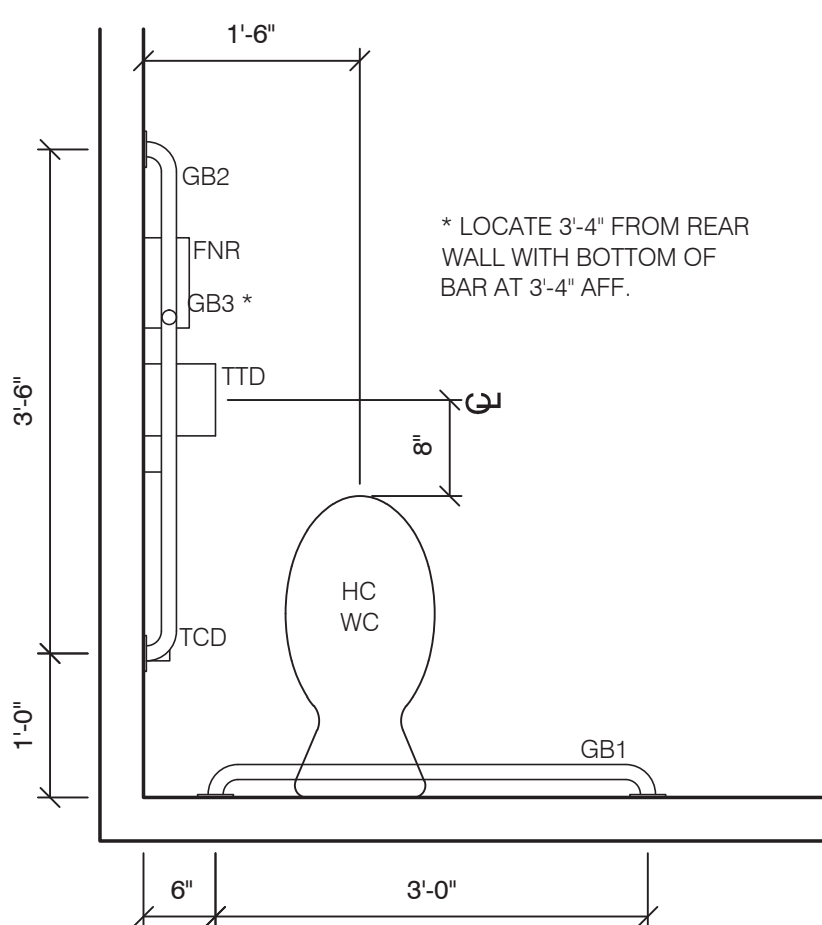
DOOR 101 AND 102:

- ++ 3'-0" x 7'-0" HOLLOW METAL DOOR AND FRAME.
- ++ INSULATED.
- ++ HINGES.
- ++ STOREROOM LOCKSET WITH ELECTRIC STRIKE.
- ++ DOOR CLOSER WITH OVERHEAD DEAD STOP
- ++ KICK PLATE.

ELECTRIC STRIKE OPERATED BY LOW VOLTAGE POWER SUPPLY AND ACCESS CONTROL PANEL LOCATED IN JAN. (103). STRIKE ALSO OPERATED BY CARD READER. OWNER'S SECURITY VENDOR SHALL PROVIDE POWER SUPPLY, ACCESS CONTROL PANEL, CARD READER, AND LOW VOLTAGE WIRING/CONNECTIONS. COORDINATE REQUIRED PATHWAYS WITH OWNER'S SECURITY VENDOR.

DOOR 103:

- ++ 3'-0" x 7'-0" HOLLOW METAL DOOR AND FRAME
- ++ HINGES.
- ++ STOREROOM LOCKSET.



TYP. ACCESSIBLE WC LAYOUT

SCALE: 3/4" = 1'-0"

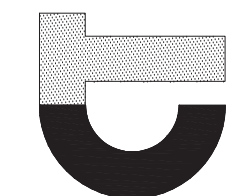
GENERAL NOTES

- FINISH FLOOR ELEVATION SHALL BE 100'-0" (USGS 848.50) UNLESS NOTED OTHERWISE.
- SEE SITE DRAWINGS FOR EXTENT OF CONCRETE WALKS, COLORS, AND PATTERNS.
- DIMENSIONS SHOWN ARE TO THE FACE OF WALL OR MASONRY OPENING, TYPICAL UNLESS NOTED OTHERWISE.
- PROVIDE SEALANT AT JOINTS BETWEEN DISSIMILAR MATERIALS.
- RUN ELECTRICAL CONDUITS, AND SIMILAR ROUGH-IN COMPONENTS, IN CONCEALED LOCATIONS TO THE GREATEST EXTENT POSSIBLE, WHERE EXPOSED TO VIEW, INSTALL CONDUIT LEVEL, PLUMB, AND PERPENDICULAR OR PARALLEL TO BUILDING STRUCTURE AND COMPONENTS. SUPPORT AND ATTACH CONDUIT PER APPLICABLE CODES AND REGULATIONS, BUT NOT LESS THAN EVERY TEN (10) FEET. PAINT ALL CONDUIT AND BOXES EXPOSED TO VIEW. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

KEYNOTES

- EDGE OF WALL ABOVE.
- INTEGRAL COLOR CONCRETE WALL WITH WOOD PATTERN FINISH ON ALL EXPOSED VERTICAL SURFACES.
- CONCRETE FOUNDATION. SEE STRUCTURAL DRAWINGS.
- EXPOSED AGGREGATE CONCRETE PAVING - SEE SITE PLANS.
- CONCRETE ROOF CURB.
- CONCRETE PARAPET WALL WITH WOOD PATTERN FINISH ON EXPOSED 'EXTERIOR' VERTICAL SURFACES. SLOPE TOP EDGE AS SHOWN ON SECTIONS.
- 8" (NOM.) GROUND FACE CONCRETE MASONRY UNIT - COLOR 1 (U.N.O.). SEE INTERIOR ELEVATIONS FOR COLOR LAYOUT ON WALLS. SEE STRUCTURAL DRAWINGS FOR VERTICAL REINFORCEMENT. CONTROL JOINTS SHOWN ON FLOOR PLAN. PROVIDE FOAM-IN-PLACE INSULATION IN EXTERIOR WALLS.
- 2" STONE VENEER OVER CONCRETE WALL.
- CAST STONE SEAT WALL WITH 1" CHAMFERED CORNER EACH END.
- 3/4" PLYWOOD EQUIPMENT BOARD FOR POWER SUPPLY AND ACCESS CONTROL PANEL. COORDINATE SPACE REQUIREMENTS.
- INTENSIVE VEGETATED GREEN ROOF SYSTEM.
- THROUGH-WALL SCUPPER.
- STAINLESS STEEL PERFORATED METAL EDGE RESTRAINT.
- VEGETATION-FREE ZONE AROUND ROOF DRAIN. PROVIDE APPROPRIATE SURFACING STONE OR PAVEMENT BALLAST.
- PROVIDE JOINT SEALANT BOTH SIDES OF WALL.
- TUBULAR DAYLIGHTING SYSTEM.
- JUNCTION BOX AND CONDUIT FOR ACCESS CONTROL READER.
- FLOOR DRAIN. SEE PLUMBING DRAWINGS.
- DRINKING FOUNTAIN. SEE PLUMBING DRAWINGS.
- FLOOR MOUNTED MOP SINK. SEE PLUMBING DRAWINGS.
- ROOF DRAIN. SEE PLUMBING DRAWINGS.
- WATER HEATER ON PLATFORM ASSEMBLY SUSPENDED FROM CEILING. SEE PLUMBING DRAWINGS.
- PLUMBING VENT. COORDINATE WITH PLUMBING DRAWINGS.
- 8"X16" GRILL/LOUVER. SEE MECHANICAL DRAWINGS.
- EXHAUST THROUGH ROOF. SEE MECHANICAL DRAWINGS.

△ CJ = CONTROL JOINT IN CMU WALL

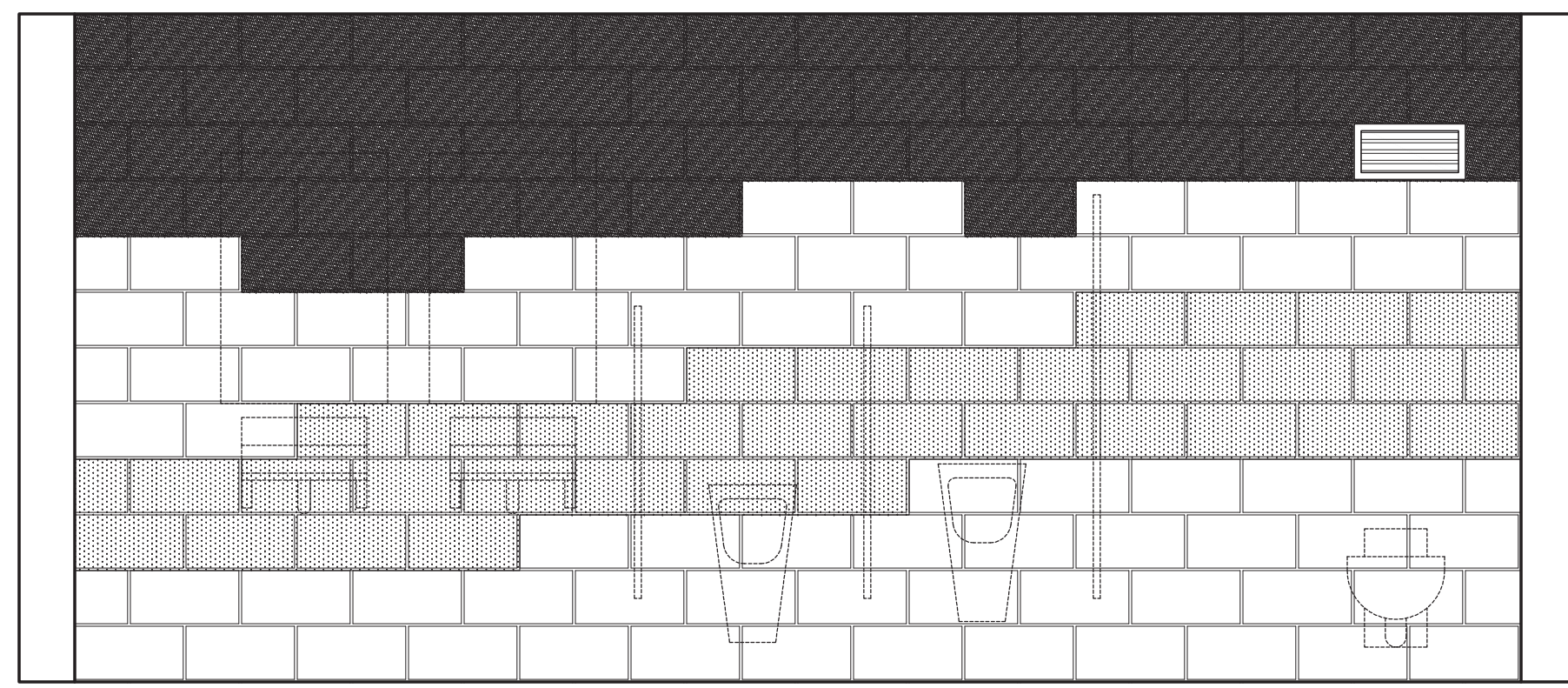


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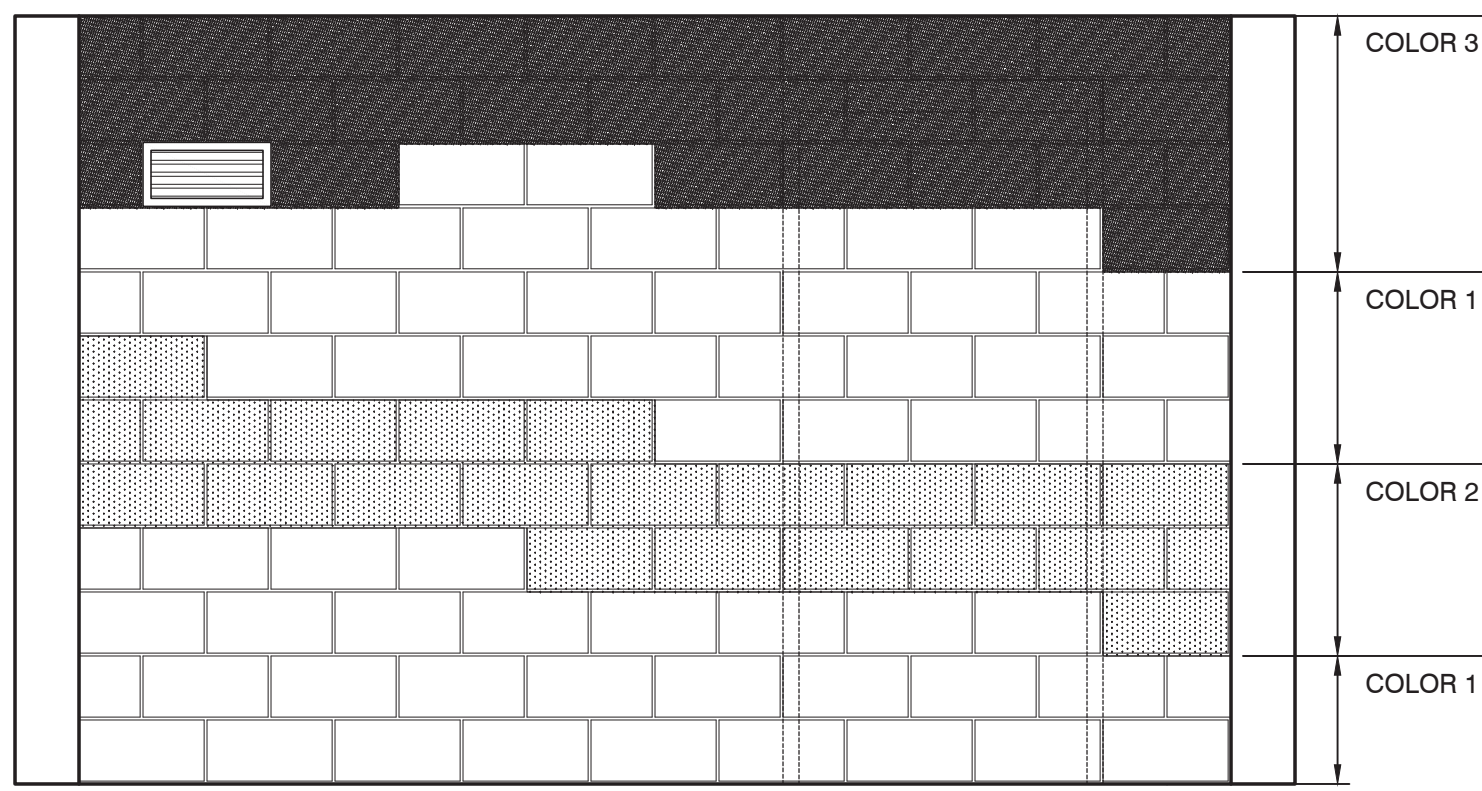
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DESIGNED BY:	JWAR
DRAWN BY:	ARUW
CHECKED BY:	BSAB

HOLDER WRIGHT PARK
VISITOR ORIENTATION SPACE
CITY OF DUBLIN
PLANS AND DETAILS

PROJECT NO:	14626
SHEET	1
OF	2



ELEVATION A

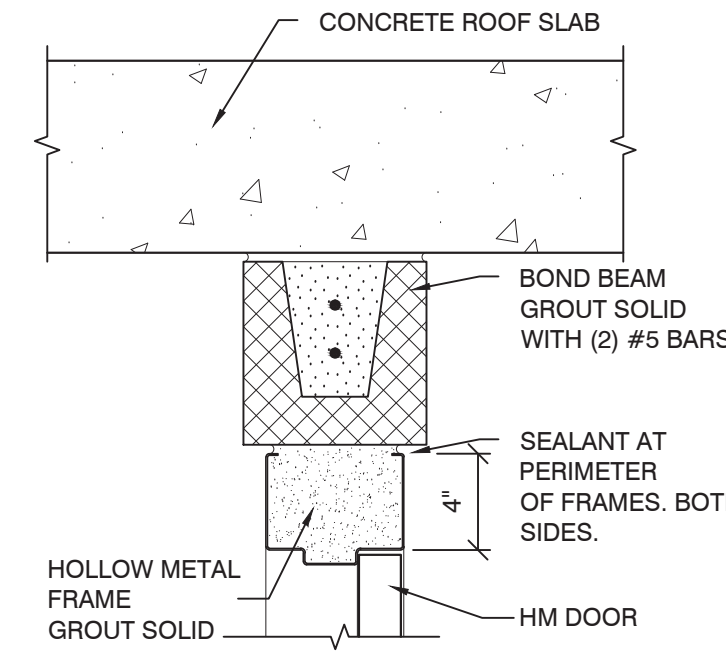


ELEVATION B

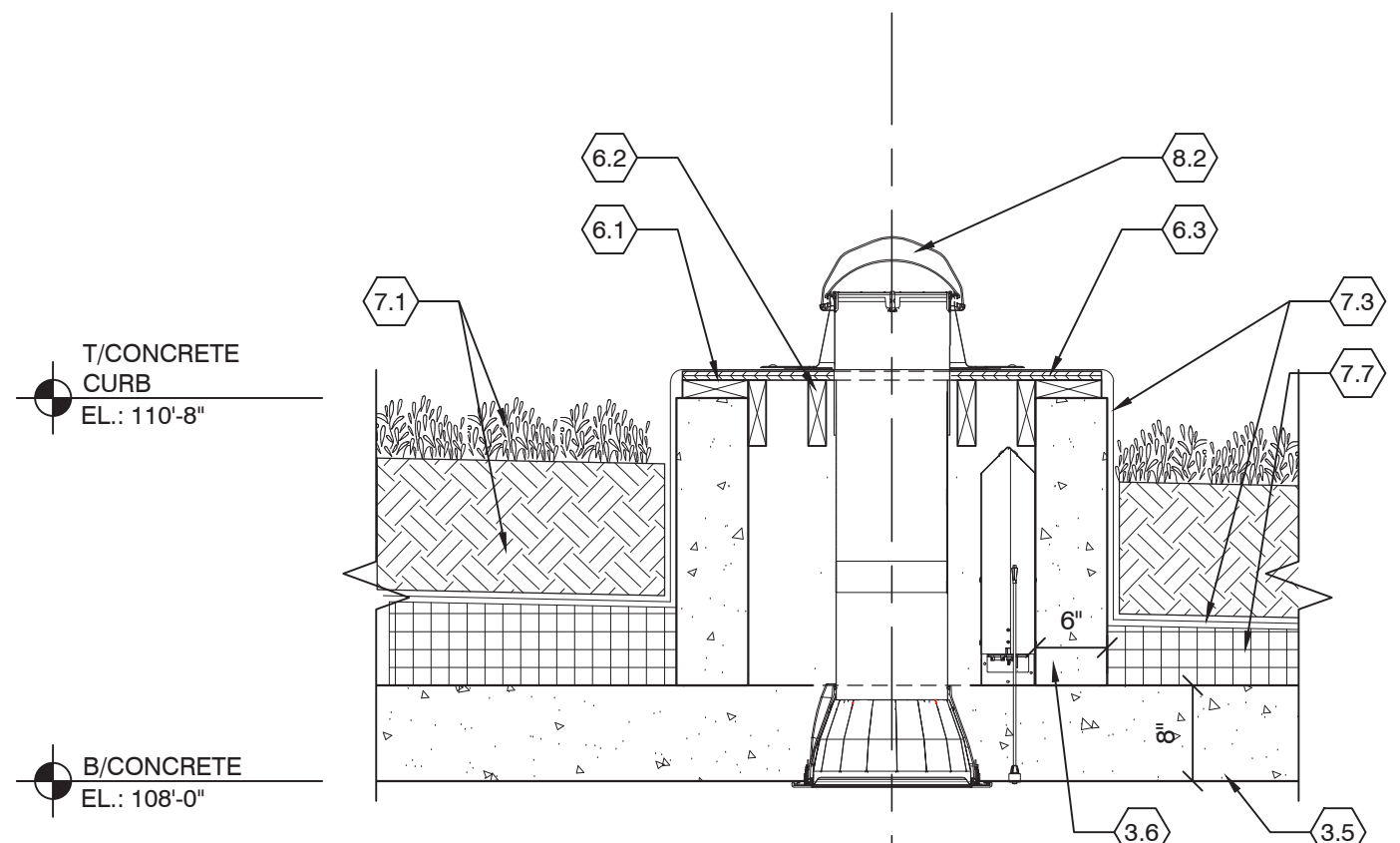
GROUND FACE MASONRY COLORS:
 BASIS OF DESIGN - YORK BUILDING PRODUCTS
 COLOR 1 = SAHARA
 COLOR 2 = PORT
 COLOR 3 = GINGERBREAD
 U.N.O., C.M.U. TO BE COLOR 1.

- KEYNOTES**
- 2.1 4" PERFORATED FOUNDATION DRAIN WRAPPED WITH FILTER FABRIC. COORDINATE CONNECTION TO STORM.
 - 3.0 CONCRETE SIDEWALK. SEE CIVIL DRAWINGS.
 - 3.1 CONCRETE SLAB ON GRADE, OVER COMPACTED GRANULAR BASE. SEE STRUCTURAL DRAWINGS.
 - 3.2 CONCRETE WALL WITH WOOD PATTERN FINISH ON ALL EXPOSED VERTICAL SURFACES.
 - 3.3 CONCRETE FOUNDATION. SEE STRUCTURAL DRAWINGS.
 - 3.5 CONCRETE ROOF SLAB. SEE STRUCTURAL DRAWINGS.
 - 3.6 CONCRETE ROOF CURB.
 - 3.7 10 MIL POLYETHYLENE BOND BREAKER (OR APPROVED EQUAL).
 - 3.8 CONCRETE PARAPET WALL WITH WOOD PATTERN FINISH ON EXPOSED "EXTERIOR" VERTICAL SURFACES. SLOPE TOP EDGE AS SHOWN ON SECTIONS.
 - 4.1 8" (NOM.) GROUND FACE CONCRETE MASONRY UNIT - COLOR 1 (U.N.O.). SEE INTERIOR ELEVATIONS FOR COLOR LAYOUT ON WALLS. SEE STRUCTURAL DRAWINGS FOR VERTICAL REINFORCEMENT. PROVIDE FOAM-IN-PLACE INSULATION IN EXTERIOR WALLS.
 - 4.3 ±2" STONE VENEER OVER CONCRETE WALL.
 - 4.4 CAST STONE SEAT WALL WITH 1" CHAMFERED CORNER EACH END.
 - 6.1 2X PRESSURE TREATED BLOCKING.
 - 6.2 2X6 PRESSURE TREATED FRAMING.
 - 6.3 3/4" EXTERIOR GRADE WOOD SHEATHING.
 - 7.1 INTENSIVE VEGETATED GREEN ROOF SYSTEM.
 - 7.2 1/2" EXPANSION JOINT FILLER MATERIAL AND JOINT SEALANT.
 - 7.3 TPO ADHERED ROOF MEMBRANE.
 - 7.4 REGLET.
 - 7.5 SEALANT AND SHEET METAL COUNTER FLASHING.
 - 7.6 FLUID-APPLIED WATERPROOFING.
 - 7.7 RIGID INSULATION - TAPERED AT 1/4" PER FOOT TO DRAIN.
 - 8.1 HOLLOW METAL DOOR AND FRAME, PAINT.
 - 8.2 TUBULAR DAYLIGHTING SYSTEM.
 - 26.1 EXTERIOR LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
 - 32.1 EXTERIOR GRADE. SEE CIVIL DRAWINGS.

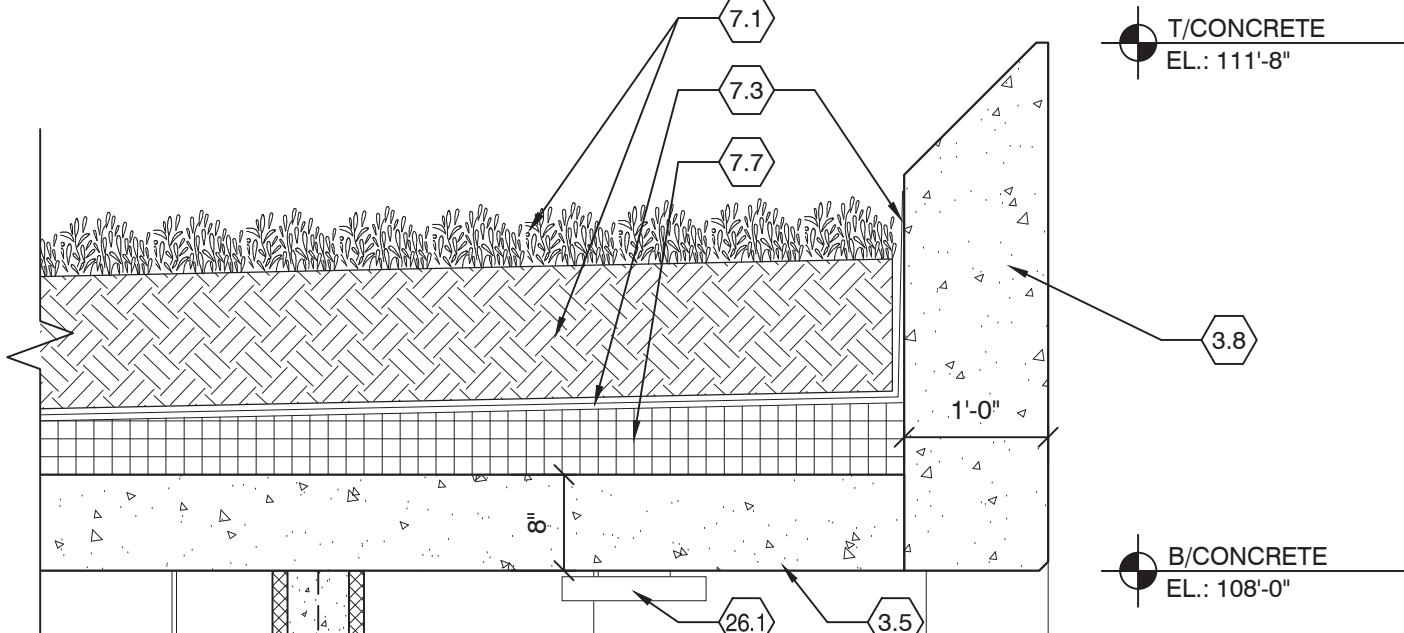
6 A2 INTERIOR ELEVATIONS
 SCALE: 1/2" = 1'-0"
 MASONRY PATTERN LAYOUT



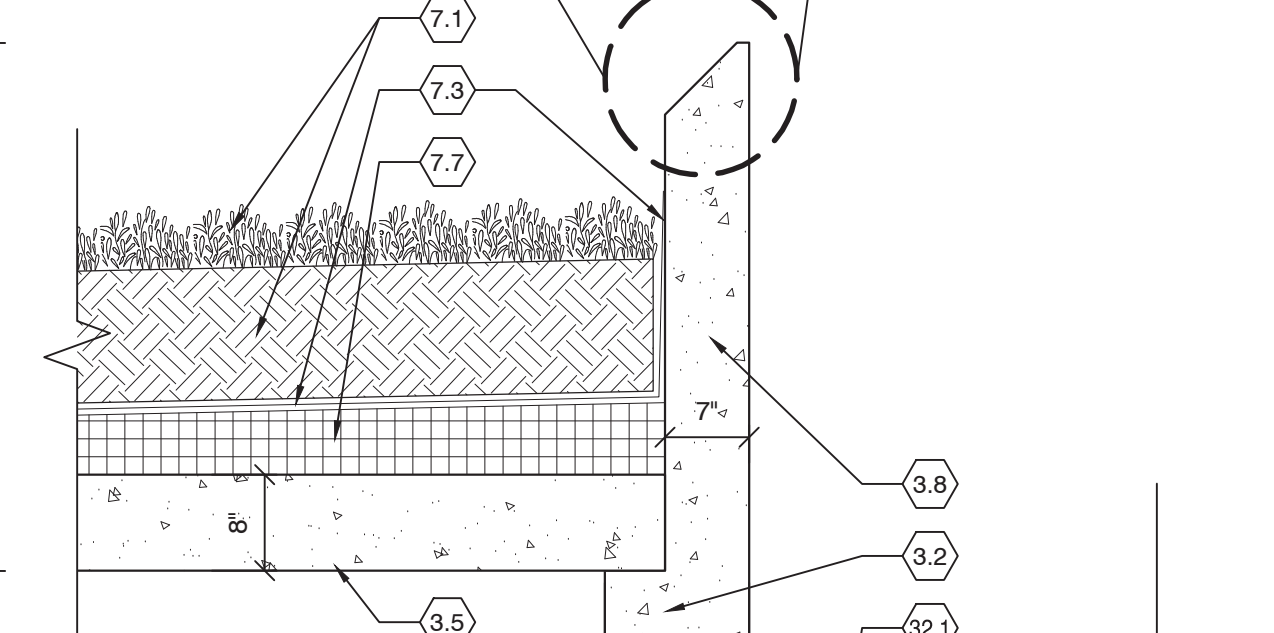
6 A2 DOOR HEAD DETAIL
 SCALE: 1-1/2" = 1'-0"



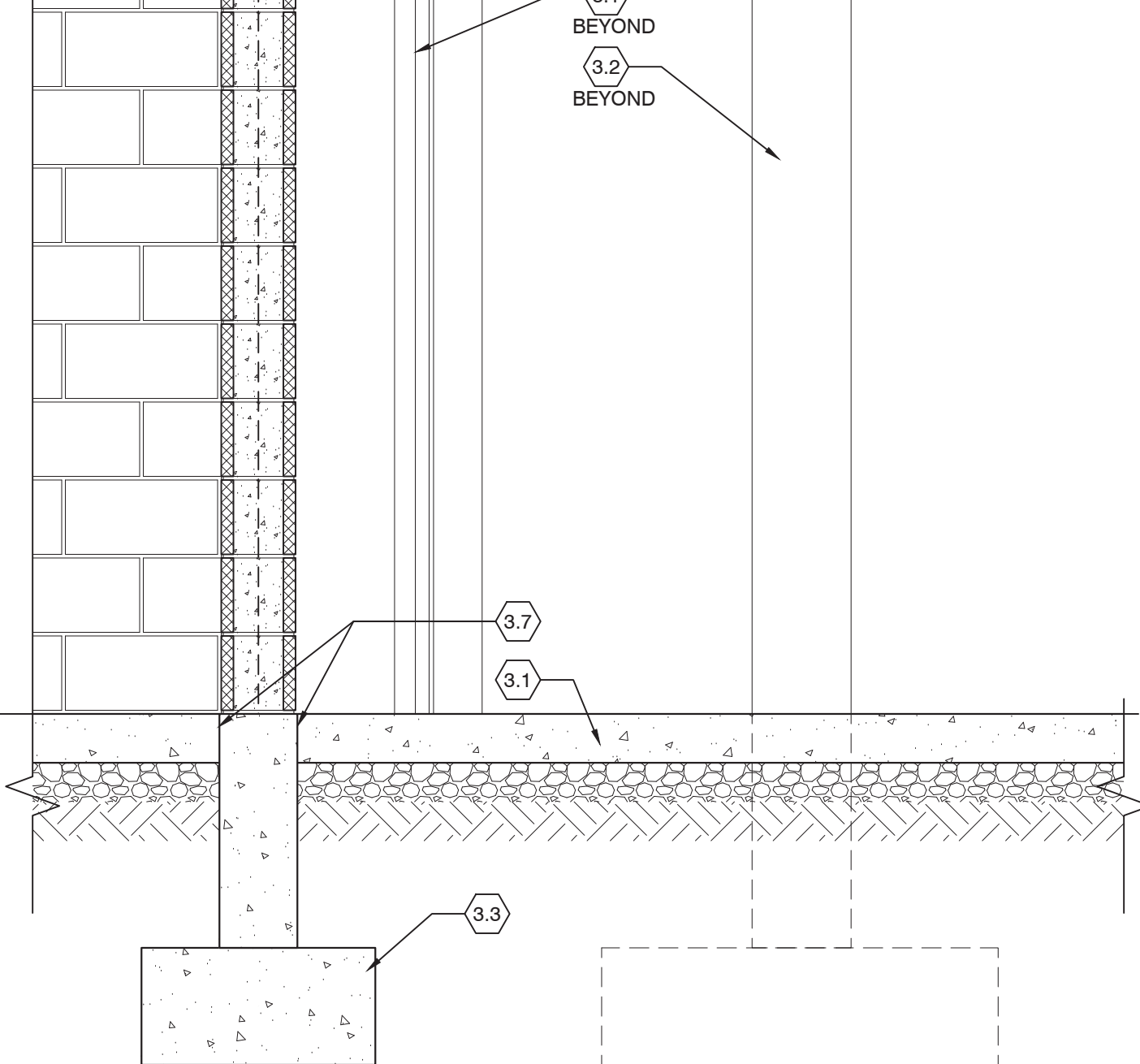
5 A2 SECTION
 SCALE: 3/4" = 1'-0"



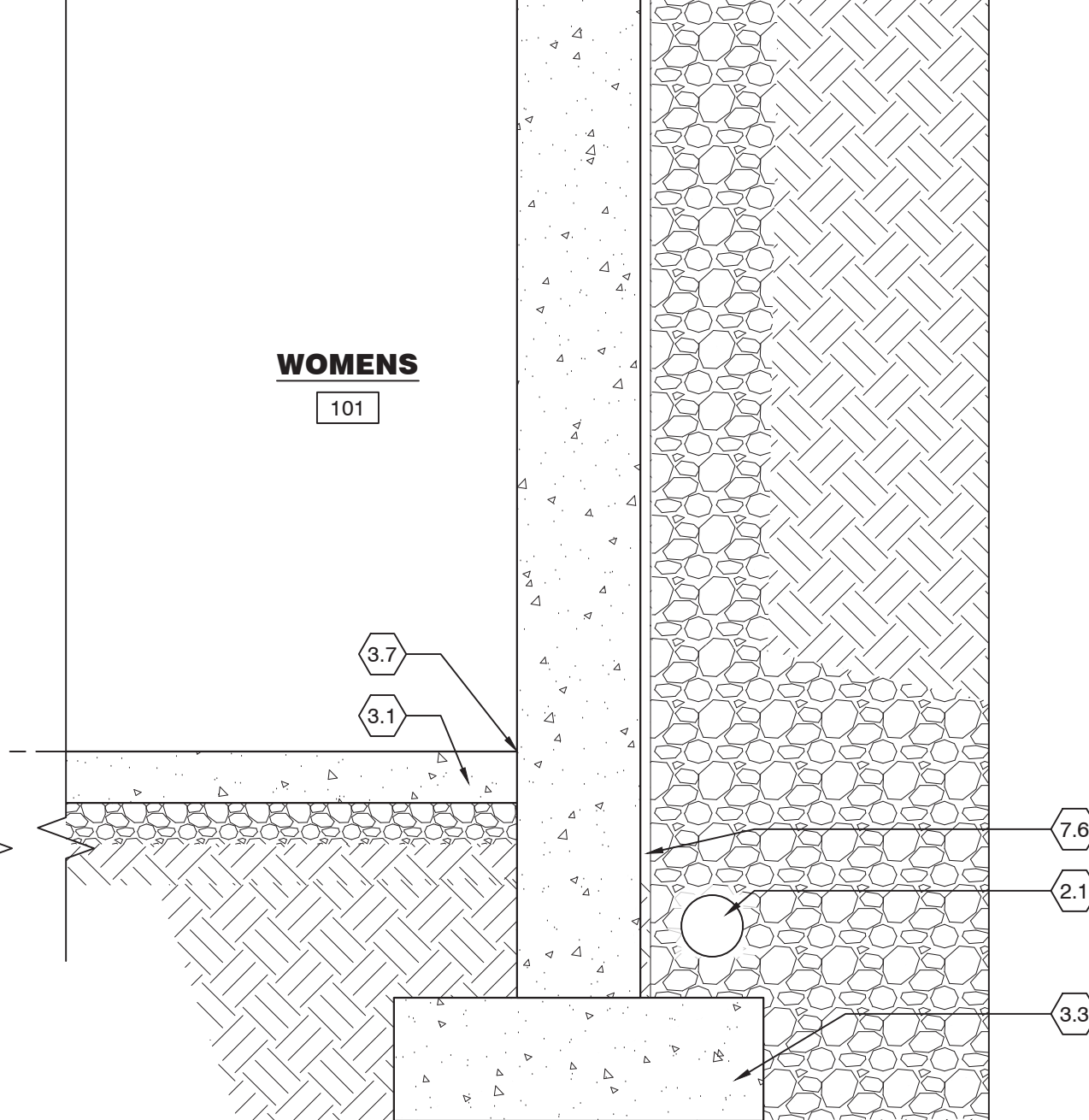
2 A2 SECTION
 SCALE: 3/4" = 1'-0"



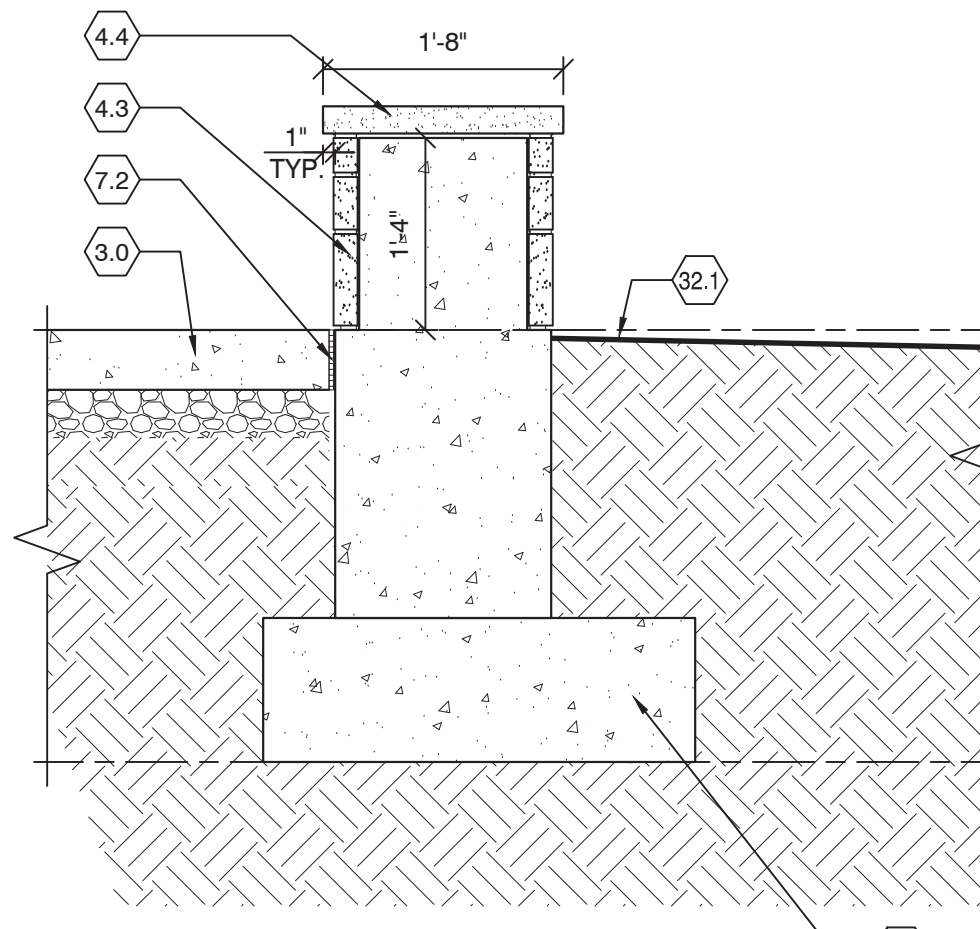
1 A2 SECTION
 SCALE: 3/4" = 1'-0"



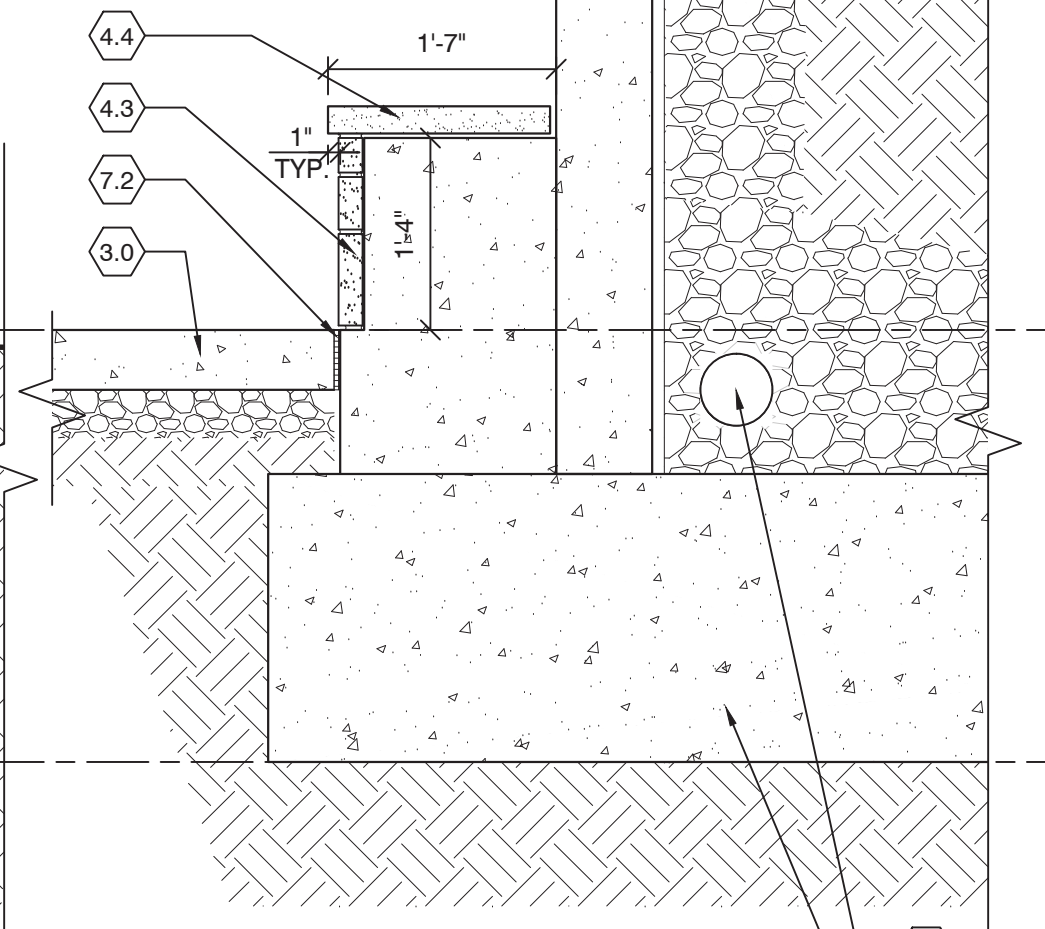
3 A2 SECTION
 SCALE: 3/4" = 1'-0"



4 A2 SECTION
 SCALE: 3/4" = 1'-0"

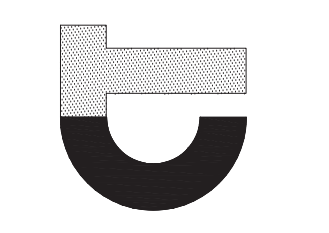


3 A2 SECTION
 SCALE: 3/4" = 1'-0"



4 A2 SECTION
 SCALE: 3/4" = 1'-0"

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HOLDER WRIGHT PARK
 VISITOR ORIENTATION SPACE
 CITY OF DUBLIN
 SECTIONS AND DETAILS

PROJECT NO:	14626
SHEET	2
OF	2

STRUCTURAL GENERAL PARAMETERS

OCCUPANCY CATEGORY: II

1603.1.1 FLOOR LIVE LOAD - 100 psf

1603.1.2 ROOF LIVE LOAD - 100 psf

1603.1.3 ROOF SNOW LOAD -
 FLAT ROOF SNOW LOAD, Pf = 20psf
 SNOW EXPOSURE FACTOR, Ce = 1.0
 SNOW LOAD IMPORTANCE FACTOR, I = 1.0
 THERMAL FACTOR, Ct = 1.2

1603.1.4 WIND LOAD
 BASIC WIND SPEED (3 SEC. GUST) = 90 mph
 WIND IMPORTANCE FACTOR = 1.0
 WIND EXPOSURE = C
 INTERNAL PRESSURE COEFFICIENT = 0.18 ±

1603.1.5 EARTHQUAKE DESIGN DATA
 SEISMIC USE GROUP: II
 SPECTRAL RESPONSE COEFFICIENTS:
 SDS = 0.125
 SD1 = 0.067
 SITE CLASS: C
 SEISMIC DESIGN CATEGORY: B
 BASIC SEISMIC FORCE RESISTING SYSTEM:
 ORDINARY REINFORCED CONCRETE SHEAR WALLS (R=4)
 DESIGN BASE SHEAR: 8.7k
 ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE

STRUCTURAL GENERAL NOTES

DESIGN SPECIFICATIONS

GOVERNING BUILDING CODE: 2011 OHIO BASIC BUILDING CODE

CONCRETE

ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE LATEST SPECIFICATIONS OF THE AMERICAN CONCRETE INSTITUTE AND THE CONCRETE REINFORCING STEEL INSTITUTE.

CONCRETE STRENGTHS AT 28 DAYS:
 SPREAD FOOTINGS 4000 PSI
 WALLS & SIDEWALKS 4000 PSI
 INTERIOR SLAB 4000 PSI

AT CORNERS AND INTERSECTIONS OF FOOTINGS AND WALLS, PROVIDE BENT BARS OF EQUAL SIZE AND AT SAME SPACING AS TYPICAL REINFORCING AROUND CORNER AND/OR INTO ABUTTING WALL. BARS SHALL HAVE EMBEDMENT OF 18 DIAMETERS (12" MINIMUM) PAST INSIDE EDGE OF CORNER.

WHERE CONCRETE IS PLACED DIRECTLY ON GROUND, REINFORCING STEEL SHALL HAVE 3" OF CONCRETE COVER. AT ALL OTHER PLACES, CONCRETE COVER TO BE A MIN. OF 1 1/2" UNLESS NOTED OTHERWISE.

ALL BUILDING FLOOR SLABS SHALL BE STEEL TROWEL FINISHED.

ALL CONCRETE EXPOSED TO WEATHER SHALL BE AIR ENTRAINED (INCLUDES INTERIOR SLAB).

REINFORCING STEEL : ASTM A615 OR A616, GRADE 60. MINIMUM LAP LENGTH - 48 DIAMETERS.

PROVIDE (2) #5 REBARS, 5'-0" LONG AT ALL CORNERS IN INTERIOR SLAB.

FOUNDATIONS

FOUNDATION DESIGN IS BASED ON RECOMENDATIONS DESCRIBED IN THE GEOTECHNICAL ENGINEER'S REPORT BY GEOTECHNICAL CONSULTANTS, INC. DATED APRIL 30, 2015. FOUNDATIONS HAVE BEEN DESIGNED FOR A MINIMUM ALLOWABLE SOIL BEARING PRESSURE OF 3000 PSF BELOW FOOTINGS.

ALL SOIL BEARING SURFACES SHALL BE LEVEL (WITHIN 1/4" IN 12).

THE OWNER SHALL HAVE A GEOTECHNICAL ENGINEER VERIFY ALL BEARING STRATA BEFORE FOOTINGS ARE POURED.

MASONRY

MATERIALS:
 MORTAR: ASTM 270 TYPE S & TYPE N PER SPECIFICATIONS
 CONCRETE BLOCK: TYP. UNIT PER ASTM C90 GRADE N, TYPE NORMAL WEIGHT AGGR. PER ASTM C33
 CONCRETE BLOCK UNITS: COMPRESSIVE STRENGTH SHALL BE NO LESS THAN 1900 PSI PER ASTM C90

INSPECTION IS REQUIRED DURING PREPARATION AND TAKING OF ANY REQUIRED PRISM OR TEST SPECIMENS AND ON A PERIODIC BASIS DURING THE PLACING OF MASONRY UNITS. PLACEMENT OF REINFORCEMENT, INSPECTION OF GROUT SPACE IMMEDIATELY PRIOR TO CLOSING OF CLEANOUTS AND DURING GROUTING OPERATIONS

REINFORCING TO BE LOCATED IN EXACT CENTER OF BLOCKS. USE VERTICAL BAR POSITIONER FOR PLACEMENT.

ALL VERTICAL WALL REINFORCEMENT TO HAVE CONTACT SPLICES -
 WIRED TOGETHER WITH MIN. 40 BAR DIAMETERS LAP OR
 FULL STRENGTH WELDS OR
 MECHANICALLY COUPLED

PROVIDE DURA-O-WALL (OR APPROVED EQUAL) JOINT REINF. AT 16" O.C. MEASURED VERTICALLY IN ALL MASONRY WALLS UNLESS NOTED OTHERWISE ON DRWGS.

MASONRY REINFORCING PER PLANS. CELLS WITH REINFORCING TO BE FULLY GROUTED.

VERTICAL REINFORCEMENT:
 REINFORCEMENT SHALL BE PROVIDED AT CORNERS, WITHIN 16" OF EACH SIDE OF OPENINGS, WITHIN 8" OF EACH SIDE OF MOVEMENT JOINTS, AND WITHIN 8" OF THE ENDS OF WALLS. BAR SIZE SHALL MATCH PRIMARY MASONRY REINFORCEMENT AS NOTED IN PLANS/DETAILS.

HORIZONTAL REINFORCEMENT:
 HORIZONTAL JOINT REINFORCEMENT SHALL BE PROVIDED AT THE BOTTOM AND TOP OF WALL OPENINGS (EXTENDING NOT LESS THAN 24" NOR LESS THAN 40 BAR DIAMETERS PAST THE OPENINGS), CONTINUOUSLY AT ROOF LEVEL, AND WITHIN 16" OF THE TOP OF WALLS

GENERAL

IN ACCORDANCE WITH THE GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THE REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

VERIFY ALL FLOOR/ROOF OPENING SIZES AND LOCATIONS WITH MECHANICAL DRAWINGS.

WHEN PROPRIETARY CONNECTION DEVICES ARE SPECIFIED, CONTRACTOR SHALL READ, UNDERSTAND AND FOLLOW MANUFACTURERS REQUIREMENTS FOR FASTENER TYPE, SIZE, GRADE, NUMBER OF FASTENERS, FINISH OF FASTENERS, CONNECTOR INSTALLATION REQUIREMENTS, ETC.

ANY INFORMATION OR DATA ON THESE DRAWINGS IS NOT INTENDED TO BE SUITABLE FOR REUSE BY ANY PERSON, FIRM OR CORPORATION OR ANY OTHERS ON EXTENSIONS OF THE PROJECT OR FOR ANY USE ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION AND ADAPTATION BY THE ENGINEER FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT THE USERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO THE ENGINEER.

SPECIAL INSPECTIONS

THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL, FOR THE INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION. THE SPECIAL INSPECTOR SHALL PROVIDE WRITTEN DOCUMENTATION TO THE BUILDING OFFICIAL DEMONSTRATING HIS OR HER COMPETENCE AND RELEVANT EXPERIENCE OR TRAINING. EXPERIENCE OR TRAINING SHALL BE CONSIDERED RELEVANT WHEN THE DOCUMENTED EXPERIENCE OR TRAINING IS RELATED IN COMPLEXITY TO THE SAME TYPE OF SPECIAL INSPECTION ACTIVITIES FOR PROJECTS OF SIMILAR COMPLEXITY AND MATERIAL QUALITIES. THESE QUALIFICATIONS ARE IN ADDITION TO QUALIFICATIONS SPECIFIED IN OTHER SECTION OF THE INTERNATIONAL BUILDING CODE.

SPECIAL INSPECTION REPORT REQUIREMENTS:

SPECIAL INSPECTORS SHALL KEEP RECORDS OF INSPECTIONS. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. REPORTS SHALL INDICATE THAT WORK INSPECTED WAS OR WAS NOT COMPLETED IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THEY ARE NOT CORRECTED THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO THE COMPLETION OF THAT PHASE OF WORK. A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED AT A POINT IN TIME AGREED UPON PRIOR TO THE START OF THE WORK BY THE APPLICANT AND THE BUILDING OFFICIAL.

BELOW IS A LIST OF THE SPECIAL INSPECTION REQUIREMENTS FOR THIS PROJECT :

MASONRY:
 - SEE "REQUIRED VERIFICATION AND INSPECTION OF MASONRY CONSTRUCTION - LEVEL 1"

SOILS:
 - SEE "REQUIRED VERIFICATION AND INSPECTIONS OF SOILS" TABLE

PER IBC SECTION 1705.4, THE MAIN-WINDFORCE-RESISTING SYSTEMS IN THIS BUILDING DO NOT REQUIRE THE ADDITIONAL SPECIAL INSPECTIONS LISTED IN IBC SECTION 1705.4.2.

VERIFICATION AND INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	-	X
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	-	X
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	-	X
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	-
5. PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	-	X

REQUIRED SERVICES AND DUTIES FOR EACH PARTY (TESTING AGENCY, INSPECTION AGENCY AND CONTRACTOR) SHALL BE PER THE MOST RECENT EDITION OF ACI530.1/ASCE 6/TMS 602.

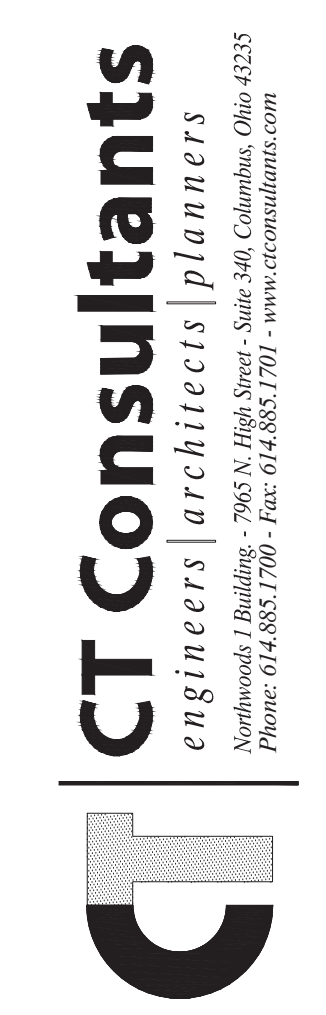
PER IBC, SECTION 1706:

EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A MAIN-WIND-FORCE OR SEISMIC-FORCE RESISTING SYSTEM LISTED IN THE STATEMENT OF SPECIAL INSPECTION SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND THE OWNER PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL CONTAIN THE FOLLOWING:

- 1) ACKNOWLEDGMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS
- 2) ACKNOWLEDGMENT THAT THE CONTROL WILL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS APPROVED BY THE BUILDING OFFICIAL
- 3) PROCEDURES FOR EXERCISING CONTROL WITHIN THE CONTRACTOR'S ORGANIZATION, THE METHOD AND FREQUENCY OF REPORTING AND THE DISTRIBUTION OF THE REPORTS
- 4) IDENTIFICATION AND QUALIFICATIONS OF THE PERSON(S) EXERCISING SUCH CONTROL AND THEIR POSITION(S) IN THE ORGANIZATION

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
1. INSPECTION OF REINFORCING STEEL INCLUDING PLACEMENT.	—	X	ACI 318: 3.5, 7.1-7.7	1913.4
2. VERIFYING USE OF REQUIRED DESIGN MIX.	—	X	ACI 318: CH. 4, 5.2-5.4	1904.3, 1913.2, 1913.3
3. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	—	ASTM C 172	1913.1
			ASTM C 31	
			ACI 318: 5.6, 5.8	
4. INSPECTION OF CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	—	ACI 318: 5.9, 5.10	1913.6, 1913.7, 1913.8
5. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	—	X	ACI 318: 5.11-5.13	1913.9
6. VERIFICATION OF IN-SITU CONCRETE STRENGTH PRIOR TO REMOVAL OF SHORES AND FORMS FROM STRUCTURAL SLABS.	—	X	ACI 318: 6.2	—
7. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	—	X	ACI 318: 6.1.1	—

VERIFICATION AND INSPECTION	FREQUENCY OF INSPECTION		REFERENCE FOR CRITERIA		
	CONTINUOUS	PERIODIC	IBC SECTION	TMS 402/ACI 530/ASCE 5A	TMS 602/ACI 530.1/ASCE 6A
1. COMPLIANCE WITH REQUIRED INSPECTION PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS SHALL BE VERIFIED.	-	X	-	-	ART. 1.5
2. VERIFICATION OF FM AND FAAC PRIOR TO CONSTRUCTION EXCEPT WHERE SPECIFICALLY EXEMPTED BY THIS CODE.	-	X	-	-	ART. 1.4B
3. VERIFICATION OF SLUMP FLOW AND VSI AS DELIVERED TO THE SITE FOR SELF-CONSOLIDATING GROUT.	X	-	-	-	ART. 1.5B, 1.B.3
4. AS MASONRY CONSTRUCTION BEGINS, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:					
A. PROPORTIONS OF SITE-PREPARED MORTAR.	-	X	-	-	ART. 2.6A
B. CONSTRUCTION OF MORTAR JOINTS.	-	X	-	-	ART. 3.3B
C. LOCATION OF REINFORCEMENT, CONNECTORS, AND ANCHORAGES.	-	X	-	-	ART. 3.4, 3.6A
D. GRADE AND SIZE OF ANCHORAGES.	-	X	-	-	ART. 2.4B, 2.4H
5. DURING CONSTRUCTION THE INSPECTION PROGRAM SHALL VERIFY:					
A. SIZE AND LOCATION OF STRUCTURAL ELEMENTS.	-	X	-	-	ART. 3.3F
B. TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION.	-	X	-	SEC. 1.2.2(E), 1.16.1	-
C. SPECIFIED SIZE, GRADE AND TYPE OF REINFORCEMENT AND ANCHORAGES.	-	X	-	SEC. 1.15	ART. 2.4, 3.4
D. PREPARATION, CONSTRUCTION AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F) OR HOT WEATHER (TEMPERATURE ABOVE 90°F).	-	X	SEC. 2104.3, 2104.4	-	ART. 1.8C, 1.8D
6. PRIOR TO GROUTING, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:					
A. GROUT SPACE IS CLEAN.	-	X	-	-	ART. 3.2D
B. PLACEMENT OF REINFORCEMENT, CONNECTORS AND ANCHORAGES.	-	X	-	SEC. 1.13	ART. 3.4
C. PROPORTIONS OF SITE-PREPARED GROUT FOR BONDED TENDONS.	-	X	-	-	ART. 2.6B
D. CONSTRUCTION OF MORTAR JOINTS.	-	X	-	-	ART. 3.3B
7. GROUT PLACEMENT SHALL BE VERIFIED TO ENSURE COMPLIANCE:	X	-	-	-	ART. 3.5
8. PREPARATION OF ANY REQUIRED GROUT SPECIMENS, MORTAR SPECIMENS AND/OR PRISMS SHALL BE OBSERVED.	-	X	SEC. 2105.2.2, 2105.3	-	ART. 1.4

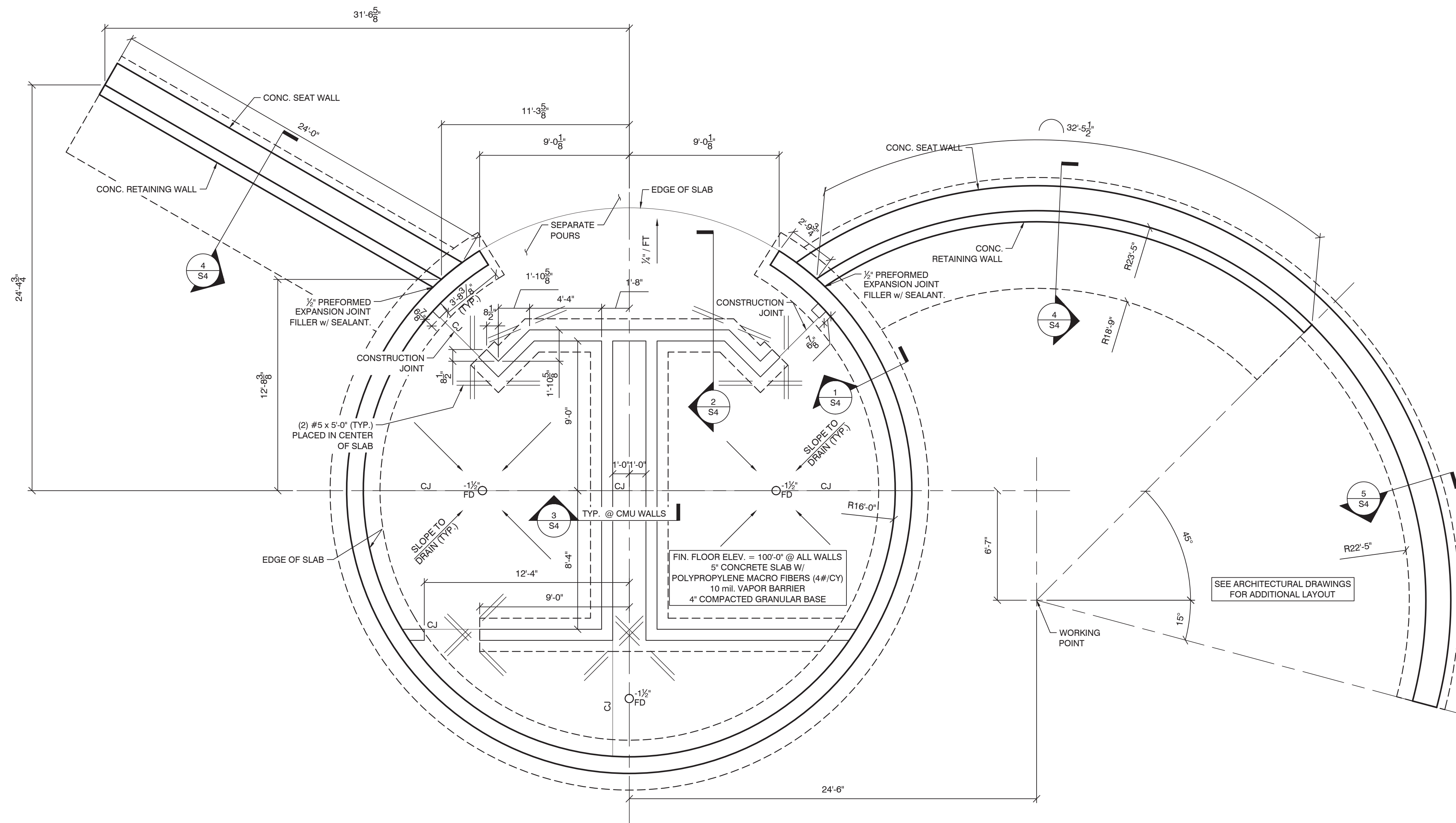


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AS NOTED					
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DESIGNED BY: A/J					
DRAWN BY: A/J					
CHECKED BY: R/D					

HOLDER WRIGHT PARK
 VISITOR ORIENTATION SPACE
 CITY OF DUBLIN
 GENERAL NOTES &
 SPECIAL INSPECTIONS

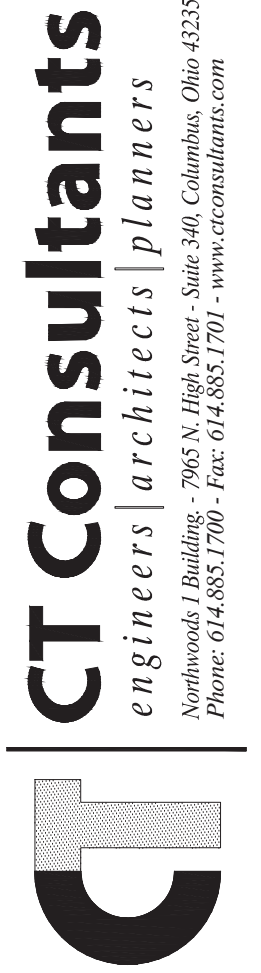
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GENERAL NOTES

1. B/FOOTING EL. = 97'-0"
2. SEE ARCH. DWGS. AND SPECIFICATIONS FOR LOCATION OF "WOOD" PATTERN FINISH ON CONCRETE WALLS.
3. SEAL CONCRETE FLOOR SLAB WITH CURE AND SEAL PRODUCT OR APPROVED PRODUCT.



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NO.	REVISION	DATE

HOLDER: WRIGHT PARK
 VISITOR ORIENTATION SPACE
 CITY OF DUBLIN
 FOUNDATION PLAN

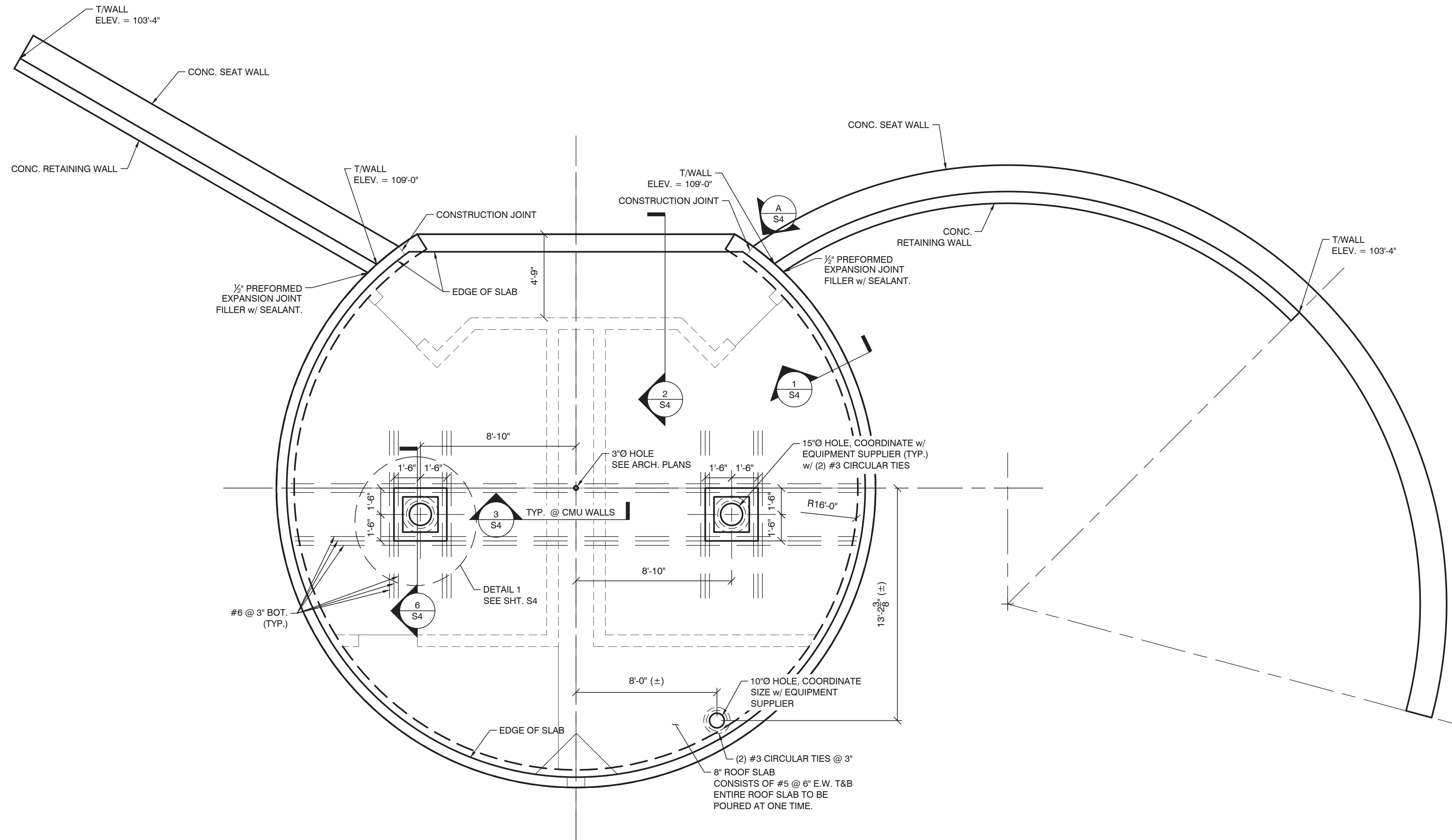
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FOUNDATION PLAN

SCALE: 1/4" = 1'-0"



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ROOF PLAN

SCALE: 1/4" = 1'-0"



GENERAL NOTES

- SEE ARCH. DWGS. FOR LOCATION OF WOOD PATTERN FINISH ON CONCRETE WALLS.
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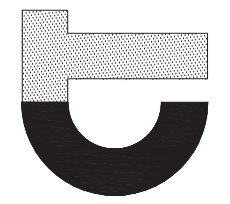
HOLDER WRIGHT PARK
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ROOF SLAB PLAN

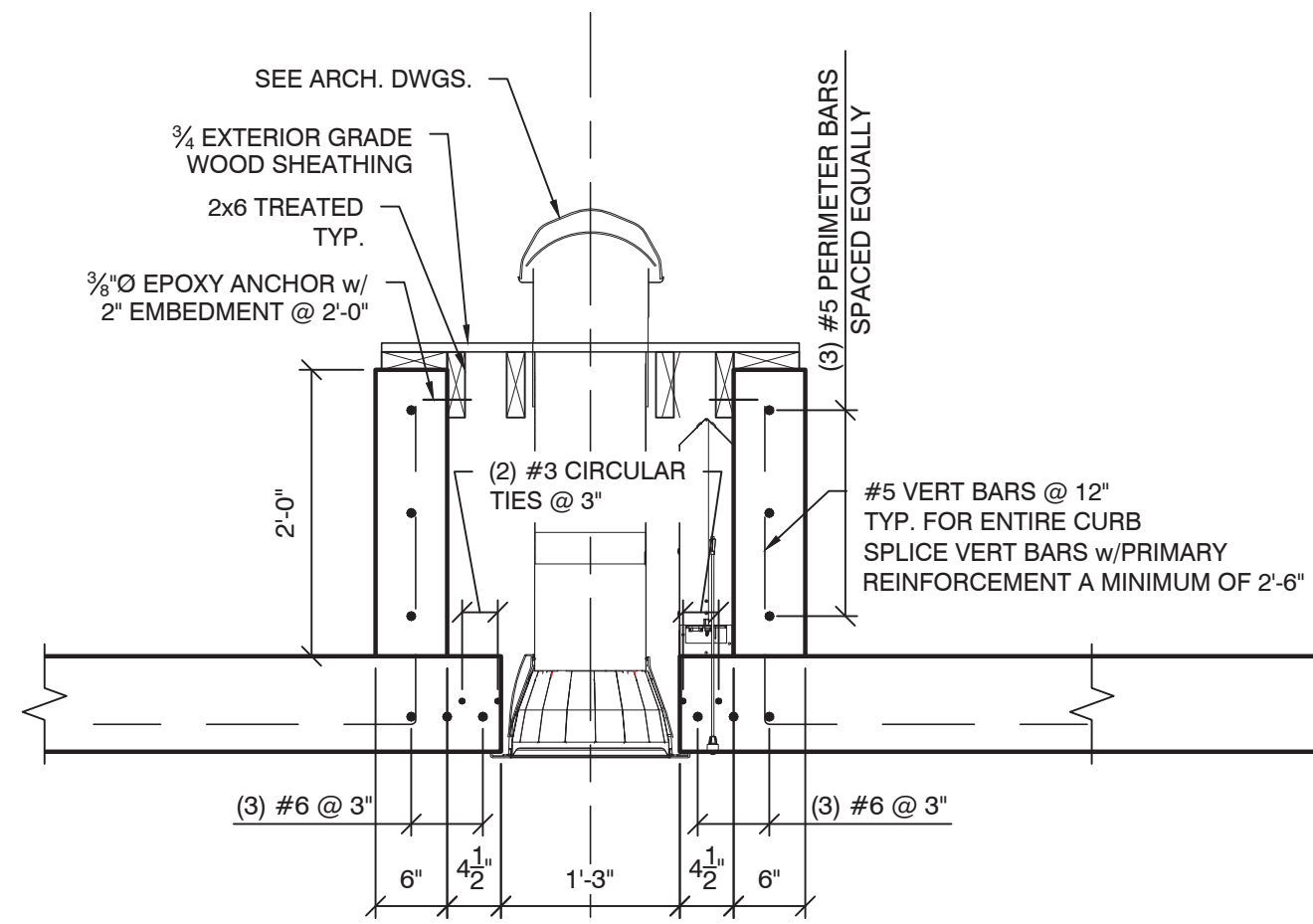
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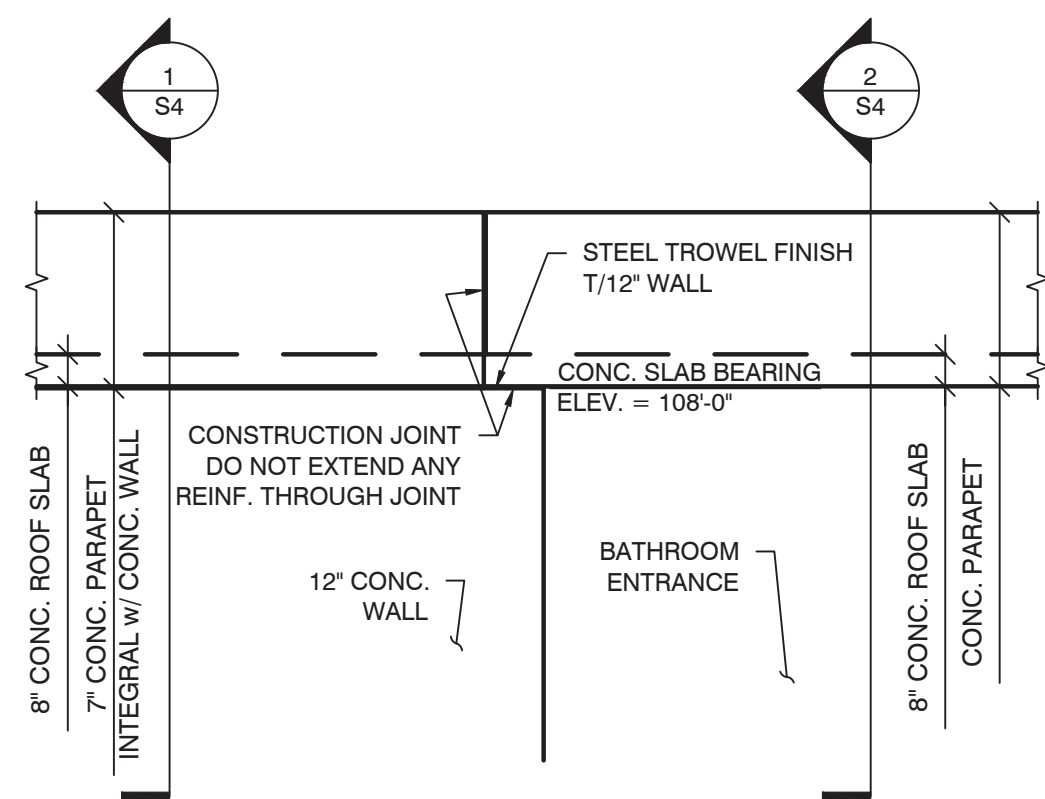
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SECTION

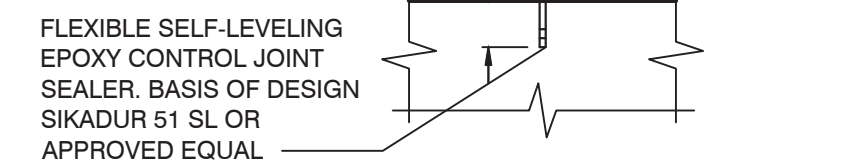
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NOTE:
PRIMARY SLAB REINFORCEMENT
NOT SHOWN FOR CLARITY



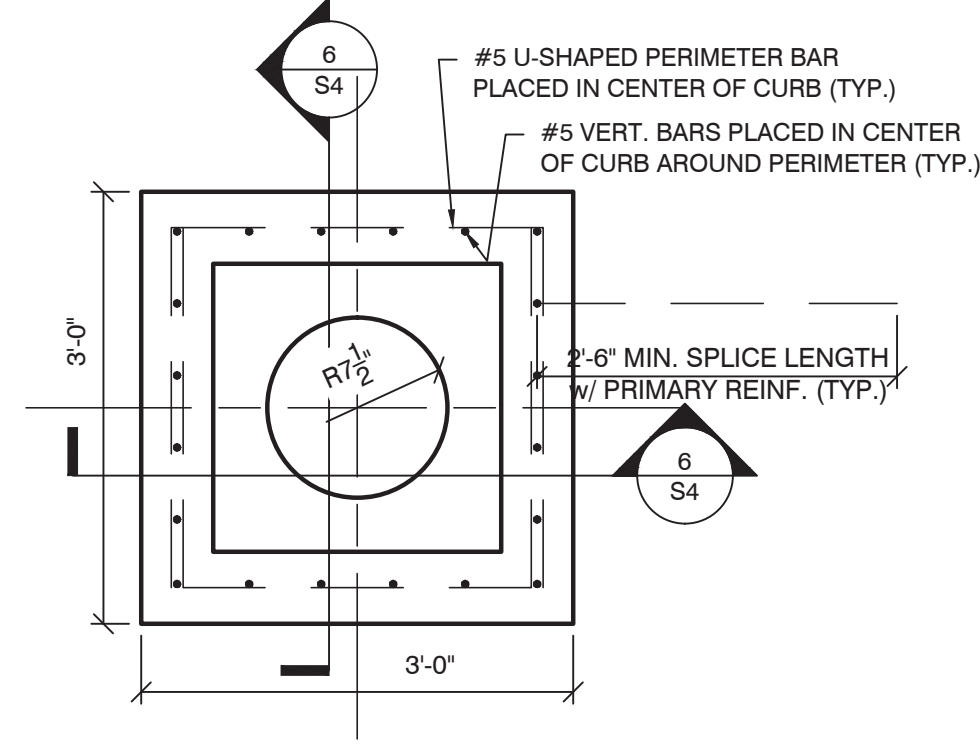
VIEW

SCALE: 1/4" = 1'-0"



TYP. CONTROL JOINT DETAIL

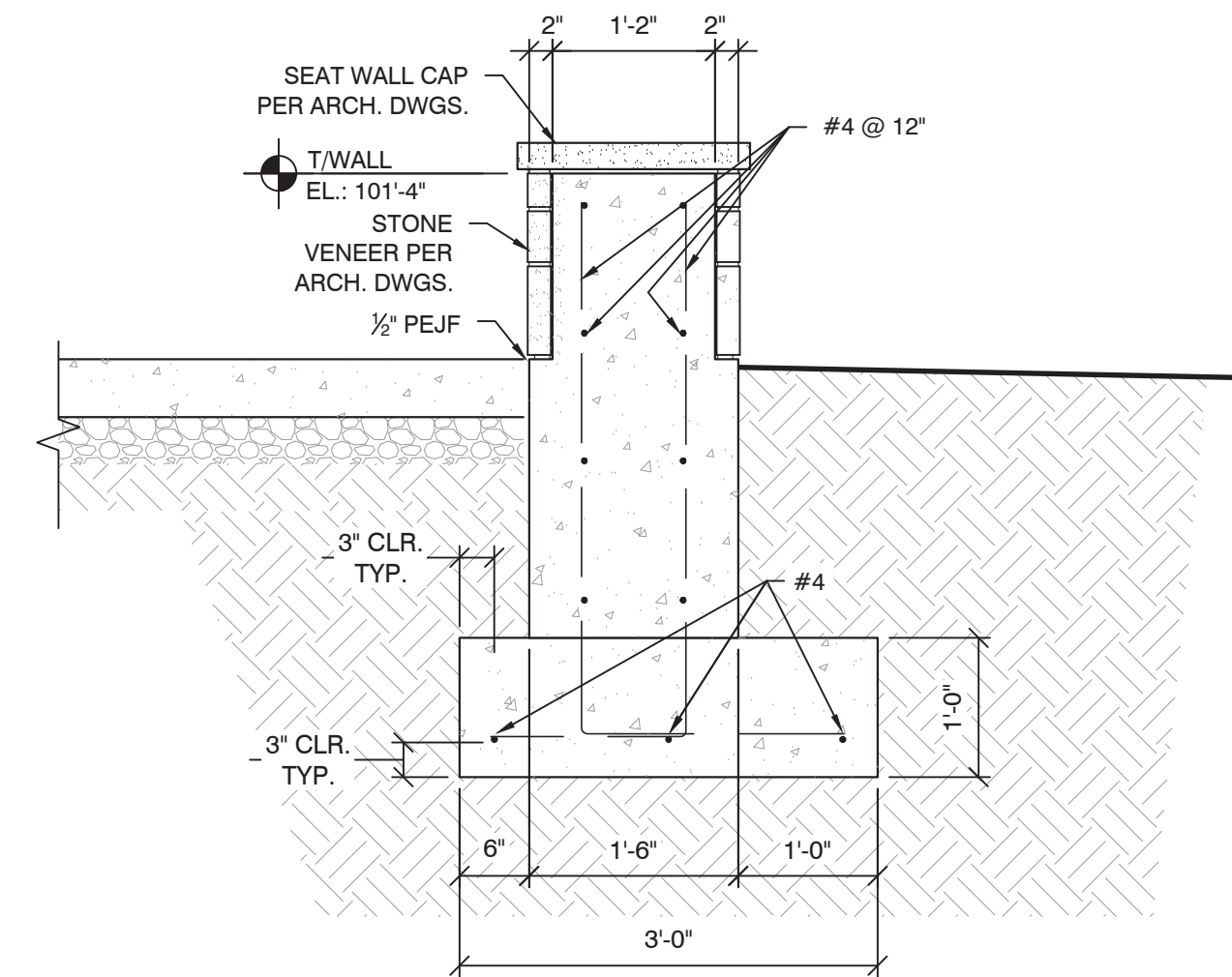
N.T.S.



DETAIL

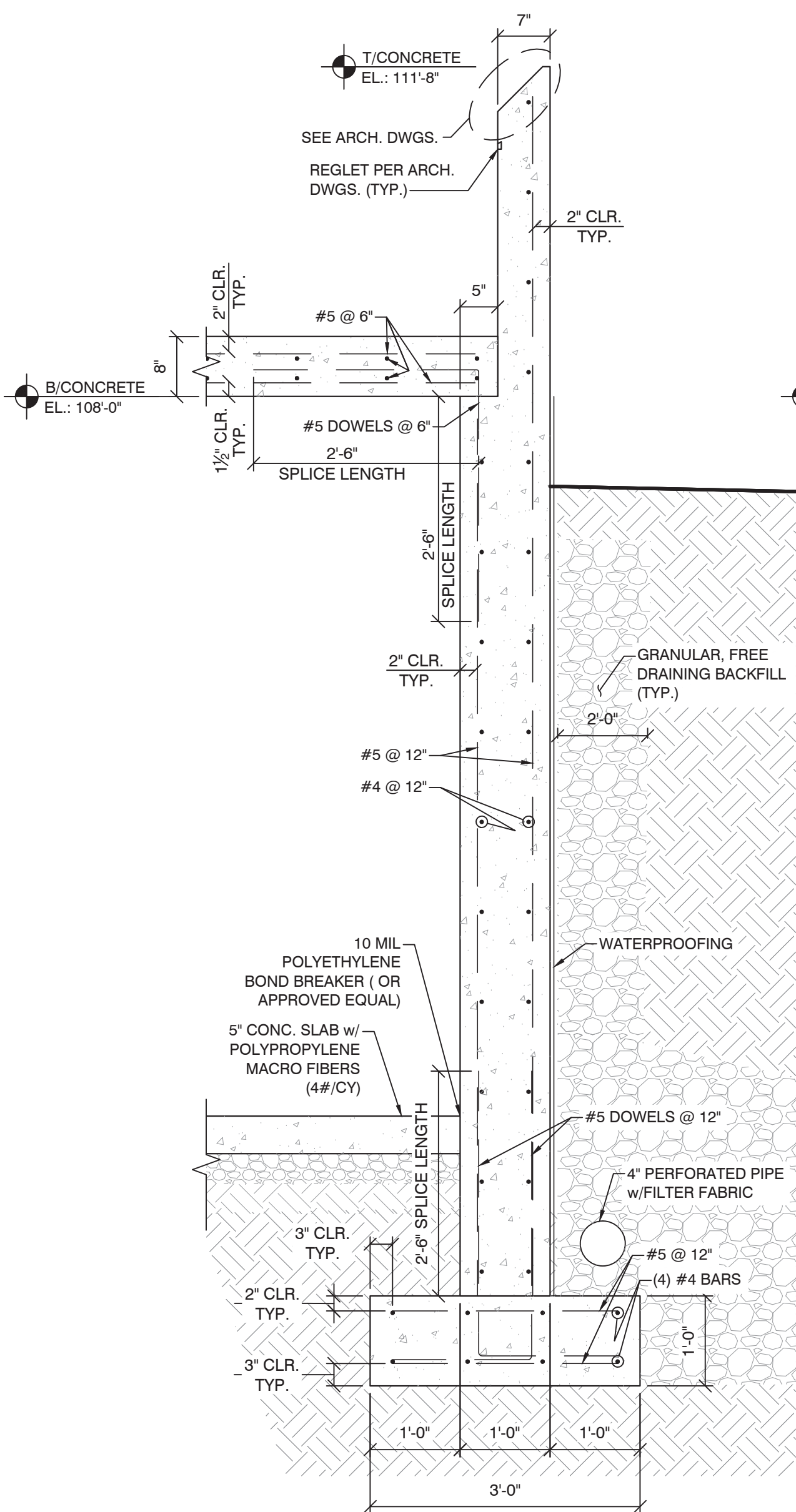
SCALE: 3/4" = 1'-0"

NOTE:
• PRIMARY SLAB REINFORCEMENT
NOT SHOWN FOR CLARITY
• FOR CLARITY, NOT ALL SPLICES
BETWEEN #5 VERT. BARS &
PRIMARY REINFORCEMENT SHOWN



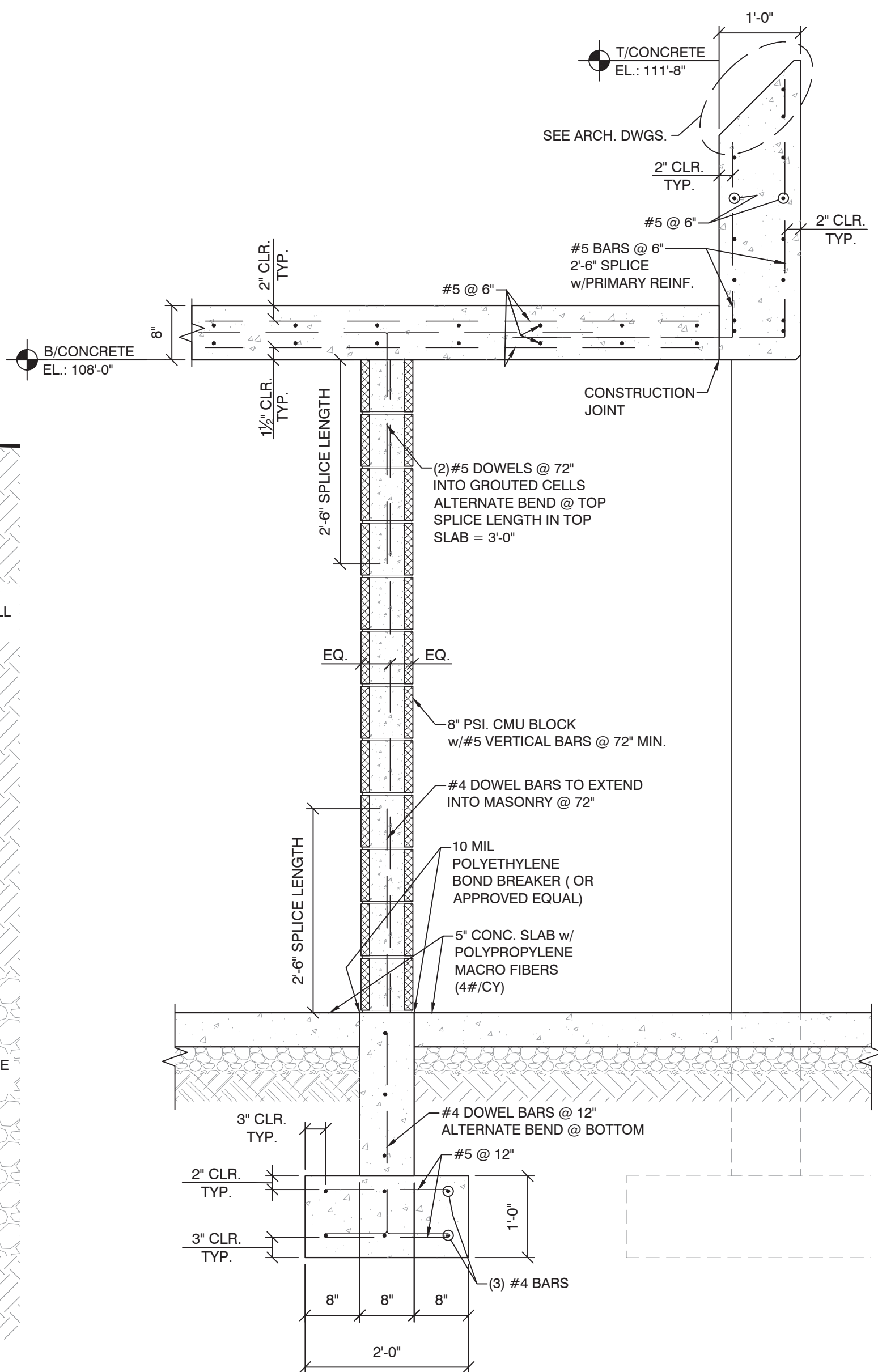
SECTION

SCALE: 3/4" = 1'-0"



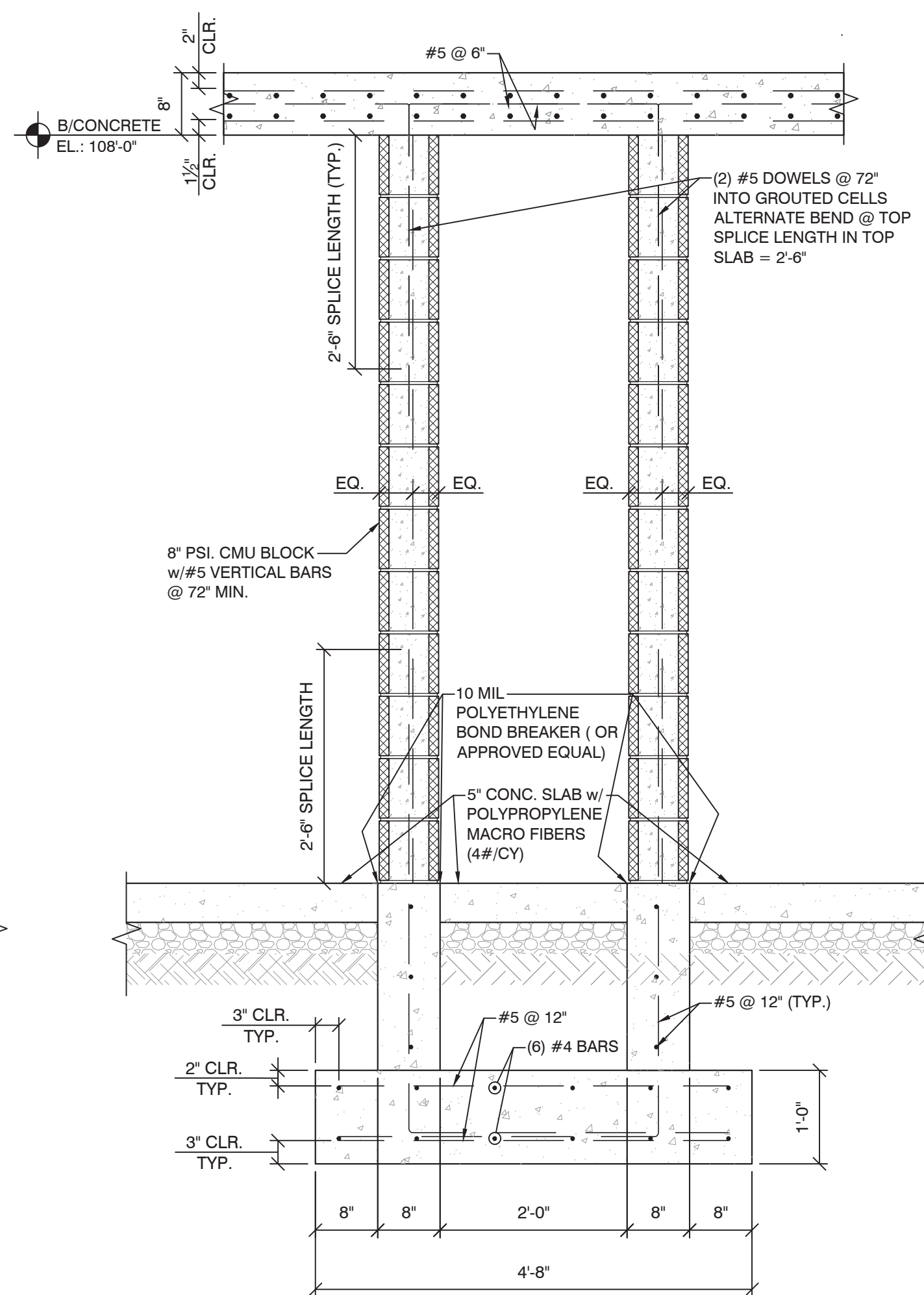
SECTION

SCALE: 3/4" = 1'-0"



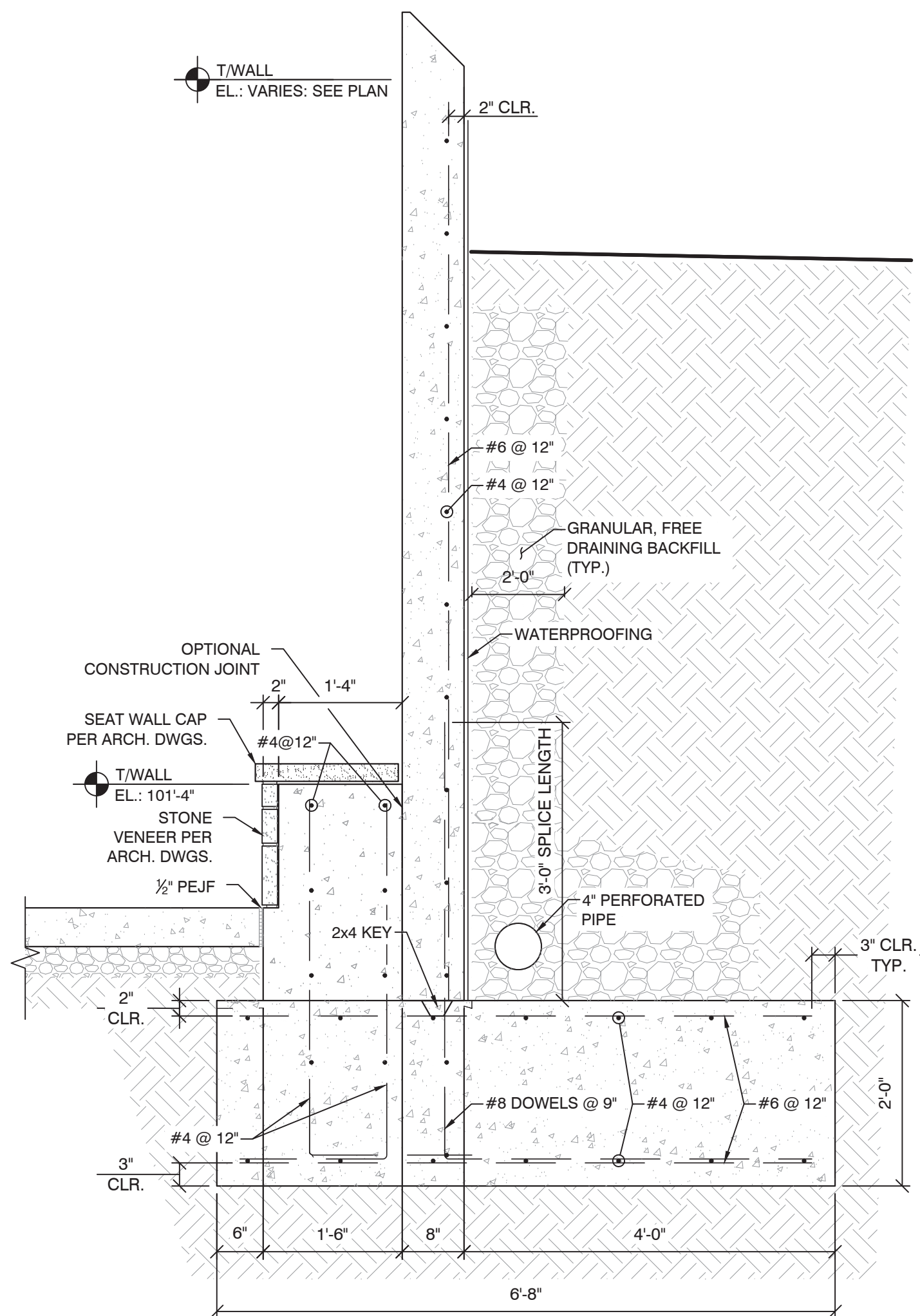
SECTION

SCALE: 3/4" = 1'-0"



SECTION

SCALE: 3/4" = 1'-0"

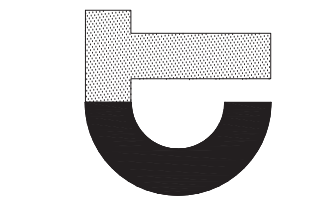


SECTION

SCALE: 3/4" = 1'-0"

GENERAL NOTES

1. SEE ARCH. DWGS. FOR LOCATION OF WOOD PATTERN FINISH ON CONCRETE WALLS.



NO.	REVISION	DATE

HOLDER WRIGHT PARK
VISITOR ORIENTATION SPACE
CITY OF DUBLIN

SECTIONS AND DETAILS

PROJECT NO:	
14626	
S4	
SHEET	OF
4	4

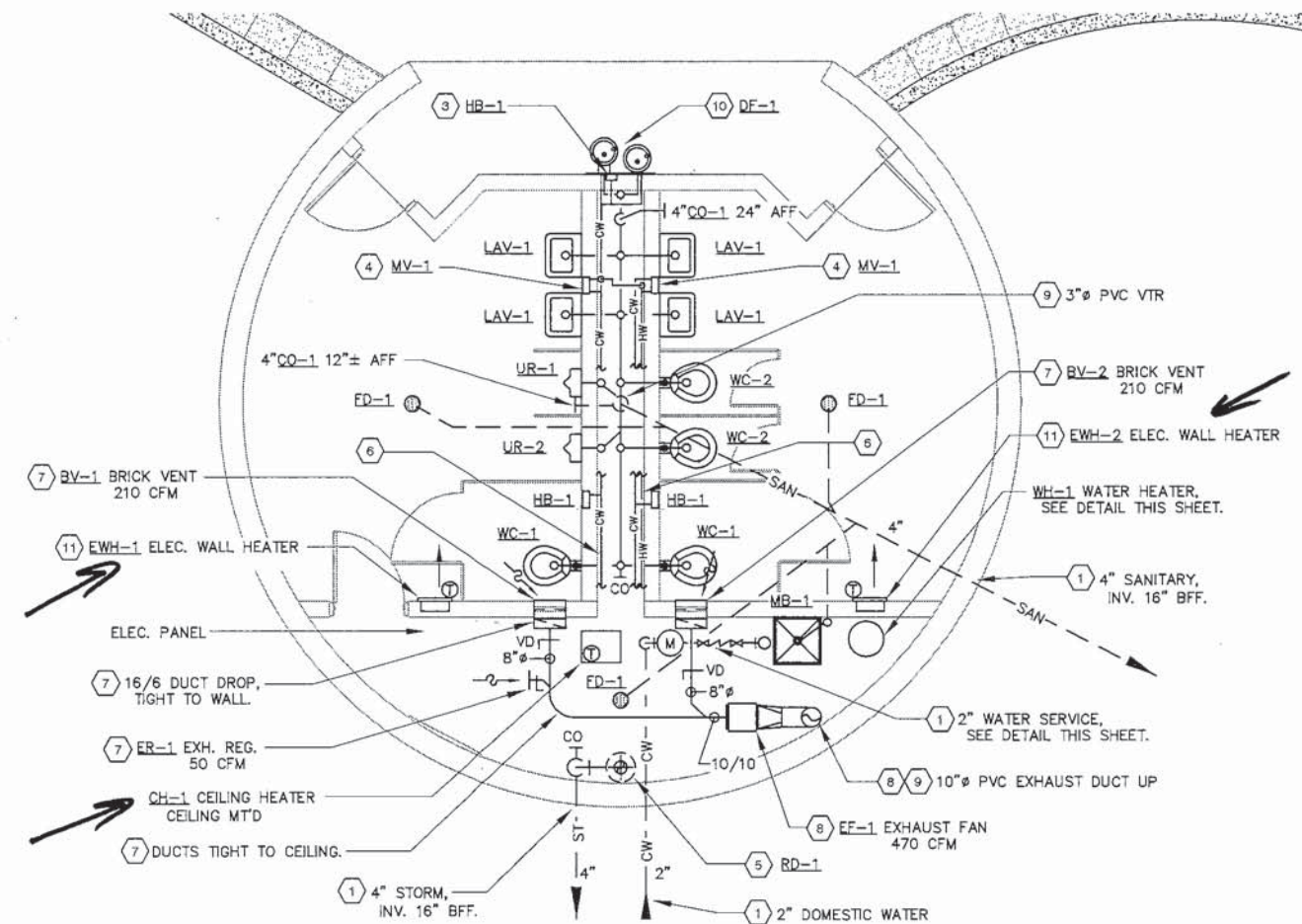
H:\2014\14626\DWG\STRUCTURAL\14626 - S4 DETAILS.DWG - 8/13/2015 8:02:53 AM - RUME

SYMBOL LEGEND

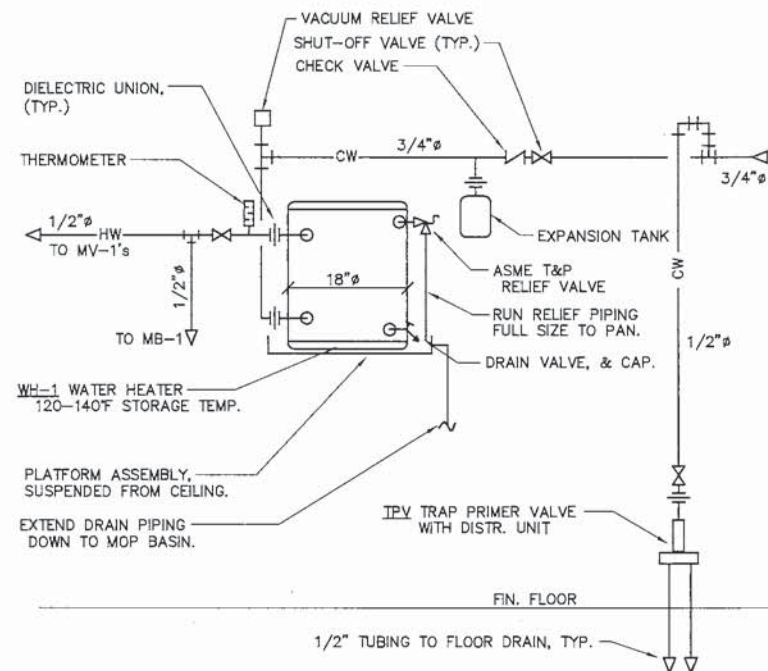
	THERMOMETER		DOMESTIC COLD WATER
	PRESSURE GAUGE		TEMPERED WATER
	UNION		DOMESTIC HOT WATER
	SHUT-OFF VALVE		STORM PIPING
	CHECK VALVE		SANITARY PIPING
	REGULATING VALVE		VENT PIPING
	BALANCING VALVE		PIPING - UNDERFLOOR OR UNDERGROUND
	REDUCER, CONCENTRIC	AFF	ABOVE FINISHED FLOOR
	REDUCER, ECCENTRIC	BFF	BELOW FINISHED FLOOR
	SHUT OFF VALVE IN RISER	AFG	ABOVE FINISHED GRADE
	FLOW DIRECTION	BFG	BELOW FINISHED GRADE
	STRAINER	FD	FLOOR DRAIN
	RELIEF VALVE	TPV	TRAP PRIMER VALVE
	MANUAL AIR VENT	CO	CLEANOUT
	CAP ON END OF PIPE	CB	CATCH BASIN
	PIPING ELBOW UP	MH	MANHOLE
	PIPING ELBOW DOWN	VTR	VENT THRU ROOF
		INV	INVERT
		EL	ELEVATION
		EX	EXISTING
		CTE	CONNECT TO EXISTING
		ETR	EXISTING TO REMAIN
		AD	ACCESS DOOR

KEYNOTES

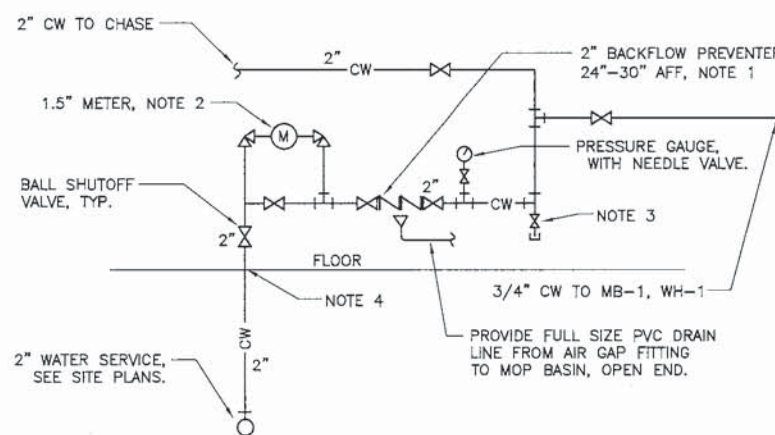
- SEE SITE PLANS FOR CONTINUATION.
- SLOPE ALL WATER PIPING TO ALLOW FOR WINTER DRAINING. PROVIDE DRAIN VALVE & CAP AT ALL LOW POINTS.
- INSTALL HOSE BIBB AT 16"± AFF, BELOW DRINKING FOUNTAIN.
- INSTALL MIXING VALVES 16"-24" AFF, AND EXTEND 1/2" TEMPERED WATER TO EACH LAV.
- EXTEND 4" STORM PIPING FROM ROOF DRAIN (GREEN ROOF) DOWN ALONG WALL, WITH CLEANOUT NEAR FLOOR, AND OFFSET AS NEEDED TO CLEAR WATER SERVICE.
- EXTEND 1.5" CW ALONG EACH SIDE OF CHASE TO FIXTURES. REDUCE CW AFTER LAST FLUSH VALVE. EXTEND 1/2" HW ALONG ONE SIDE OF CHASE. CONNECT 1/2" CW/HW TO MV-1 MIXING VALVES. EXTEND 3/4" CW TO HB-1 AT END, AND DF-1. ANY WATER PIPING CROSSING THE CHASE SHALL BE INSTALLED TIGHT TO CEILING.
- INSTALL BV-1 BRICK VENT AS HIGH AS FEASIBLE; SEE ARCH ELEVATIONS. INSTALL EXHAUST DUCTS TIGHT TO CEILING, AND ROUTE TO EF-1 EXHAUST FAN. ROUTE 16/6 EXHAUST DUCTS DOWN, TIGHT ALONG WALL, TO BRICK VENT, FOR MAX HEADROOM. MAINTAIN CLEARANCE FROM ELEC PANEL.
- SUSPEND EF-1 EXHAUST FAN AS HIGH AS FEASIBLE. INTERIOR DUCTS TO BE GALVANIZED STEEL. PROVIDE FLEX CONNECTION AT INLET & OUTLET. TRANSITION DISCHARGE DUCT TO PVC, AND ROUTE UP THRU CONCRETE ROOF, GREEN ROOF, AND EXTEND ABOVE GRADE. TERMINATE 10" PVC DUCT WITH (2) 90° ELBOWS (GOOSENECK), AND STAINLESS STEEL BIRDSCREEN ON END, 24" AFG.
- PVC PIPE/DUCT PENETRATION THRU CONCRETE ROOF TO BE WEATHERPROOF WITH "LINK-SEAL" MODULAR SEALING UNIT. PROVIDE PIPE SLEEVE SIZED PER MFR'S GUIDELINES.
- USE SPECIAL CARE WHEN INSTALLING DUAL DRINKING FOUNTAIN. COORDINATE WITH MASON TO INSTALL WALL MOUNTING PLATE PER MFR'S REQUIREMENTS. PROVIDE VALVING AND DISCONNECT MEANS ON WATER PIPING, TO FREEZEPROOF UNIT FOR NON USE IN WINTER.
- ELEC. WALL HEATERS TO BE RECESSED IN WALL, 8" AFF. COORDINATE EXACT LOCATION WITH DOORS, ETC.



MECHANICAL PLAN
SCALE: 1/4" = 1'-0"
NORTH

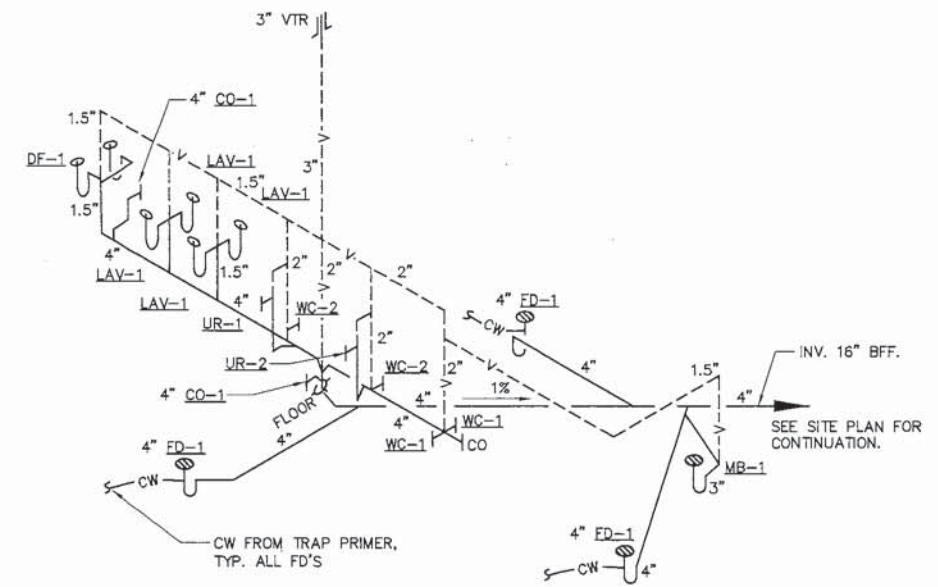


WH-1 WATER HEATER DETAIL
NOT TO SCALE



WATER SERVICE DETAIL
NOT TO SCALE

- NOTES:**
- BACKFLOW PREVENTER TO BE 2", REDUCED PRESSURE TYPE, WATTS #909-QT OR EQUAL, WITH AIR GAP FITTING.
 - PROVIDE 1.5" WATER METER SETTING PER CITY OF COLUMBUS, DIVISION OF WATER REQUIREMENTS.
 - PROVIDE 1/2" VALVE AND CAP FOR WINTER DRAINING.



SOIL STACK DIAGRAM
NOT TO SCALE

NO.	REVISION	DATE

HOLDER WRIGHT PARK
VISITOR ORIENTATION SPACE
CITY OF DUBLIN

MECHANICAL PLAN & DETAILS

PROJECT NO:	14626
SHEET	1
TOTAL SHEETS	2

MECHANICAL SPECIFICATIONS

- GENERAL AND SUPPLEMENTARY CONDITIONS AND DIVISION 1 SPECIFICATION SECTIONS OF THE CONTRACT APPLY TO ALL WORK ON THIS DIVISION. PROVIDE ALL EQUIPMENT INDICATED, LABOR, MATERIALS, TOOLS, ETC. REQUIRED FOR COMPLETE, FULLY ADJUSTED AND READY-TO-USE MECHANICAL SYSTEMS IN ACCORDANCE WITH THE INTENT OF THE PLANS. ALL MECHANICAL WORK SHALL COMPLY WITH THE OHIO BUILDING CODE, OHIO MECHANICAL AND PLUMBING CODES, LOCAL DEPARTMENT OF HEALTH REGULATIONS, GAS COMPANY REGULATIONS, ALL APPLICABLE LOCAL CODES, NFPA STANDARDS NO. 54 AND 70, THE PLANS PROVIDED AND ACCEPTED ENGINEERING PRACTICES. THE MOST STRINGENT CODE OR STANDARD SHALL APPLY. THE CONTRACTOR SHALL ENSURE THAT ALL WORK IS PERFORMED IN ACCORDANCE WITH OSHA SAFETY RULES AND REGULATIONS. DRAWINGS INDICATE SIZE AND APPROXIMATE LOCATION OF VARIOUS WORK AND ARE TO BE USED AS GENERAL GUIDE FOR INSTALLATION. THE CONTRACTOR IS RESPONSIBLE FOR INSPECTING PROPOSED CONSTRUCTION SITE AND BECOMING AWARE OF ALL CONDITIONS AFFECTING THIS WORK, REGARDLESS OF THE DETAILS SHOWN ON THE PLANS, PRIOR TO BIDDING THE JOB. CONTACT THE ENGINEER WHEREVER ANY CLARIFICATION OF THE PLANS OR SPECIFICATIONS IS REQUIRED.
- PLUMBING FIXTURES SHALL BE PROVIDED WITH FAUCETS, TRIM, AND TOILET SEATS AS MANUFACTURED BY AMERICAN STANDARD, KOHLER, ELJER, JUST, ACORN, ELKAY, BRADLEY, WILLOUGHBY, AS INDICATED ON THE PLANS AND LISTED IN PLUMBING FIXTURE SCHEDULES. INSTALL ALL FIXTURES IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND THE AMERICAN DISABILITIES ACT REQUIREMENTS. PROVIDE INSULATION KIT FOR LAVATORIES AS MANUFACTURED BY TRUEBRO OR BROCAR. PROVIDE FLOOR MOUNTED CONCEALED SUPPORTS FOR ALL PLUMBING FIXTURES. SUPPORT SHALL BE SELECTED CONSIDERING ALL CONDITIONS SUCH AS TYPE OF FIXTURES WALL AND FLOOR CONSTRUCTION, SERVICE, ETC. SEAL JOINTS BETWEEN FIXTURES AND WALLS AND FLOORS USING SANITARY TYPE MILDEW RESISTANT SILICONE SEALANT. PROVIDE DRAINS, CLEANOUTS, SUPPORTS AS MANUFACTURED BY J.R. SMITH, JOSAM, WADE, OR ZURN. ALL FIXTURE SUPPLY RISERS SHALL BE CHROME-PLATED FLEXIBLE COPPER TUBE WITH KNOB END. ALL TRAPS SHALL BE CHROME-PLATED CAST BRASS WITH SLIP JOINT INLET. PROVIDE CHROME-PLATED CAST BRASS ESCUTCHEONS AT ALL PIPING PENETRATIONS OF WALLS, CEILINGS, AND FLOORS.
- WATER HEATERS SHALL BE A.O. SMITH OR EQUALS BY STATE, LOCHINVAR, RUUD. PROVIDE VALVED DIELECTRIC UNION CONNECTIONS, DRAIN VALVE WITH HOSE CONNECTION AND TEMPERATURE & PRESSURE RELIEF VALVE. EXTEND RELIEF VALVE FULL SIZE TO 6" ABOVE FLOOR DRAIN OR AS INDICATED.
- WATER PIPING, ABOVE-GROUND SHALL BE TYPE "L" SEAMLESS COPPER WITH BRIDGIT NICKEL-BEARING, LEAD-FREE SOLDER, PER ASTM B32-B9. INSULATE ALL WATER PIPING WITH JOHNS-MANVILLE "MICRO-LOK" FIBERGLASS PIPE INSULATION WITH ALL PURPOSE JACKETING AND PVC FITTING COVERS. INSULATION THICKNESS TO BE 1/2" FOR PIPING UP TO 1.25", AND 1" THICK FOR 1.5" PIPING AND LARGER. PIPE SIZE CHANGES TO BE MADE WITH PROPER REDUCING FITTINGS. BELOW GROUND WATER PIPING 2" AND SMALLER SHALL BE TYPE "K" COPPER WITH FLARED JOINTS.
 - PROVIDE SHOCK STOPS AT EACH HOT AND COLD WATER FIXTURE BRANCH CONNECTIONS AND WHERE QUICK-CLOSING VALVES ARE UTILIZED TO ELIMINATE HAMMER AND EXCESSIVE NOISE. WATER HAMMER ARRESTORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS, CONFORMING TO ASSE 1010.
 - ALL WATERLINES SHALL BE PROVIDED WITH SHUT-OFF VALVES. PLACE VALVES IN ALL MAIN RISERS, HORIZONTAL BRANCHES TO GROUPS OF TWO OR MORE FIXTURES, TO EACH PIECE OF EQUIPMENT NOT PROVIDED WITH STOP VALVES. WHERE PIPING IS INSULATED, BALL VALVES SHALL BE EQUIPPED WITH 2" EXTENDED HANDLES OF NON-THERMAL CONDUCTIVE MATERIAL.
 - BALL VALVES: (MANUFACTURERS: APOLLO, NIBCO, MILWAUKEE, STOCKHAM) 2" AND SMALLER, SOLDER OR THREADED END, BRONZE BODY, CHROME-PLATED BRONZE BALL, 1/4 TURN, TEFLON SEAT RING, BLOW-OUT PROOF STEM.
- STORM, SANITARY AND VENT PIPING SHALL BE DWV, SOLID WALL, SCHEDULE 40, PVC PIPE: ASTM D2665 WITH PVC SOCKET FITTINGS AND SOLVENT-CEMENTED JOINTS. INSULATE STORM DRAIN, AND ALL STORM PIPING/FITTINGS WITH 1" THICK FIBERGLASS INSULATION WITH ALL PURPOSE JACKETING AND PVC FITTING COVERS.
- MAKE NECESSARY CONNECTIONS TO ALL FIXTURES, EQUIPMENT, ETC. REQUIRING WATER, STORM, SANITARY, VENT, ETC CONNECTIONS. PROVIDE TRAP FOR EACH FIXTURE OR EQUIPMENT REQUIRING CONNECTION TO SANITARY DRAINAGE SYSTEM.
- ALL COPPER AND PLASTIC PIPING INSTALLED THRU HOLES OR NOTCHES IN STUDS, JOISTS OR SIMILAR MEMBERS LESS THAN 1-1/2" FROM THE NEAREST EDGE OF MEMBER, THE PIPE SHALL BE PROTECTED BY 1/16" (MIN) THICK STEEL SHIELD PLATES, THE PROTECTIVE SHIELD PLATES SHALL EXTEND MIN. OF 2" ABOVE SOLE PLATES AND BELOW TOP PLATES.

- TEST ALL PIPING SYSTEMS PER THE OHIO PLUMBING CODE OR OTHER ENTITIES RESPONSIBLE FOR SPECIAL PIPING SYSTEMS. TEST ALL COPPER HOT AND COLD WATER PIPING AT NOT LESS THAN 125 PSIG. TEST STORM, WASTE AND VENT PIPING SYSTEMS WITH 10-FT HEAD OF WATER. ADJUST ALL COMPONENTS OF PLUMBING SYSTEMS TO OBTAIN PROPER FLOW, WATER TEMPERATURE AND ELIMINATION OF NOISE AND VIBRATION.
- ALL DUCTWORK, UPSTREAM OF EXHAUST FAN SHALL BE GALVANIZED SHEET STEEL CONSTRUCTED AND INSTALLED PER ASHRAE AND SMACNA STANDARDS. ALL DUCTWORK, DOWNSTREAM OF EXHAUST FAN, AND UNDERGROUND SHALL BE POLYVINYL CHLORIDE (PVC). ALL ELBOWS SHALL HAVE RADIUS/HEIGHT RATIO OF 1.5 MINIMUM OR CONTAIN TURNING VANES. TAKE-OFF FITTINGS SHALL BE 1.5 TIMES THE BRANCH AREA. PROVIDE VOLUME DAMPERS WITH LOCKING QUADRANTS, IN ALL BRANCH DUCTS. UPON COMPLETION OF CONSTRUCTION, BALANCE THE AIRFLOWS IN ACCORDANCE WITH ASHRAE STANDARDS.
 - ALL DUCTS TO HAVE JOINTS SEALED WITH UNITED DUCT SEALER AS MANUFACTURED BY UNITED MCGILL CORP. WITH U.L. CLASSIFICATION #15 FLAME SPREAD AND #20 SMOKE RATING OR APPROVED EQUAL. STATIC PRESSURE CLASS TO BE 1" OR AS INDICATED. DUCT SEAL CLASS FOR SUPPLY AND RETURN DUCTS TO BE TYPE "B", ALL TRANSVERSE JOINTS AND LONGITUDINAL SEAMS. DUCT SEAL CLASS FOR EXHAUST DUCTS TO BE TYPE "C", ALL TRANSVERSE JOINTS.
 - PROVIDE DUCT ACCESSORIES AS INDICATED ON THE PLAN AND IN ACCORDANCE WITH OMC. CONNECT ALL SHEET METAL DUCT WORK TO MOTOR DRIVEN DEVICES WITH FLEXIBLE NEOPRENE COLLARS. FASTEN WITH STEEL ANGLES TO ACHIEVE AIRTIGHT JOINTS.
- PROVIDE ALL PIPES, DUCTS, EQUIPMENT, ETC., WITH APPROPRIATE HANGERS, SUPPORTS, CURBS, FOUNDATIONS, ETC., AS REQUIRED TO ENSURE A SAFE AND PERMANENT INSTALLATION IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICES. INSTALL EQUIPMENT LEVEL WITHIN THE MANUFACTURER'S TOLERANCES.
- PROVIDE APPROPRIATE WALL SLEEVES, THIMBLES, PLATES, ETC., WHEREVER WALLS, FLOORS, ROOFS, ETC., ARE PIERCED FOR THE INSTALLATION OF PLUMBING SYSTEMS. CUTTING AND PATCHING FOR THE INSTALLATION OF PLUMBING SYSTEMS IS THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR. COORDINATE ALL WORK WITH OTHER TRADES TO AVOID DUPLICATION OF EFFORTS.
- AT ALL TIMES, KEEP THE PREMISES AND BUILDING IN A NEAT AND ORDERLY CONDITION FOLLOWING EXPLICITLY THE INSTRUCTIONS OF THE ARCHITECT IN REGARD TO STORING OF MATERIALS, PROTECTIVE MEASURES, DISPOSING OF DEBRIS, WORK SCHEDULES, PARKING, ETC.
 - AT THE COMPLETION OF THE JOB AND PRIOR TO FINAL ACCEPTANCE OF BUILDING BY THE OWNER, CLEAN ALL EQUIPMENT, LEAVING SAME CLEAN AND POLISHED. THIS SHALL INCLUDE ALL FIXTURES, DRAINS, PIPES, AND EQUIPMENT. CLEANING SHALL NOT BE DONE UNTIL ONE WEEK PRIOR TO FINAL ACCEPTANCE OF THE BUILDING.
- PROVIDE IDENTIFYING DEVICE AND LABELS FOR ALL PIPING SYSTEMS AND MAJOR PLUMBING EQUIPMENT. PIPE MARKERS TO BE PERMANENT ADHESIVE VINYL, COLOR CODED. PIPE MARKERS TO BE SPACED AT 30-FOOT MAXIMUM INTERVALS, NEAR EACH BRANCH, WALL, AND PIECE OF EQUIPMENT. EQUIPMENT MARKERS SHALL BE ENGRAVED PLASTIC LAMINATE.
- CLOSEOUT PROCEDURES:
 - INSTRUCT THE OWNER OR HIS REPRESENTATIVE FULLY IN THE OPERATION, ADJUSTMENT AND MAINTENANCE OF ALL EQUIPMENT PROVIDED. FURNISH THE ARCHITECT TYPEWRITTEN OR BLUEPRINTED INSTRUCTIONS FOR OPERATING AND MAINTAINING ALL SYSTEMS AND EQUIPMENT INCLUDED IN THIS CONTRACT IN ACCORDANCE WITH DIVISION 1 SPECIFICATIONS.
 - PROVIDE START-UP SERVICES FOR ALL EQUIPMENT. LUBRICATE ALL EQUIPMENT PER THE MANUFACTURER'S INSTRUCTIONS PRIOR TO START-UP. INSTALL AN INITIAL CHARGE OF ALL SUPPLIES REQUIRED FOR NORMAL OPERATION.
 - CONTRACTOR SHALL KEEP AN ACCURATE RECORD OF ALL DEVIATIONS FROM CONTRACT DRAWINGS AND SPECIFICATIONS. AT COMPLETION OF JOB AND BEFORE FINAL APPROVAL, MAKE ANY FINAL CORRECTIONS TO DRAWINGS AND SUBMIT "AS-BUILT" DRAWINGS IN ACCORDANCE WITH DIVISION 1 SPECIFICATIONS.

SYMBOL	DESCRIPTION
BV-1,2	RUSKIN #BV100 BRICK VENT, NOMINAL 16"x8", EXTRUDED ALUMINUM CONSTRUCTION, INSECT SCREEN, .100" THICK FRAME AND BLADES, CLEAR ANODIZED COATING, EQUALS BY GREENHECK, AMER. WARMING, AIROLITE.
ER-1	TITUS 350-FL-1 ALUMINUM EXHAUST GRILLE, 6"x6", SURFACE MOUNT, 35" BLADE DEFLECTION, 3/4" BLADE SPACING, OPPOSED BLADE DAMPER, WHITE FINISH, EQUALS BY PRICE, KRUEGER, ANEMOSTAT.
EF-1	COOK #90SQN12D EXHAUST FAN, SQUARE INLINE, DIRECT DRIVE, CENTRIFUGAL ALUMINUM WHEEL, 470 CFM @ 0.20" S.P., 1600 RPM, 1/6 HP, 120V/1φ, 8 SONES, WITH LORENZIZED COATING, DISCONNECT SWITCH, MOTOR OPERATED DAMPER, R.I.S. ISOLATORS, EQUALS BY GREENHECK, PENN-BARRY, JENCO
EWH-1,2	MARKEL #H3425T ELECTRIC WALL HEATER, HEAVY DUTY, FAN FORCED, 16 GAUGE HOUSING, TAMPERPROOF GRILLE, CORROSION RESISTANT STEEL TUBULAR ELEMENTS WITH BRAZED STEEL FINS, BUILT-IN TAMPERPROOF THERMOSTAT, 5,000 WATTS, 17,065 BTUH, 240V/1φ, 20.8 AMPS, EQUALS BY CHROMALOX, INDEECO, BERKO, QMARK.
CH-1	MARKEL #HF3384D-RP-T ELECTRIC CEILING HEATER, HEAVY GAUGE STEEL HOUSING, FAN FORCED, BLOCK FINNED TYPE, STEEL FIN, WITH: SURFACE MOUNTING ADAPTER, BUILT-IN THERMOSTAT, 2,000 WATTS, 6,826 BTUH, 240V/1φ, 8.3 AMPS, EQUALS BY CHROMALOX, INDEECO, BERKO, QMARK.

SYMBOL	QUANT. (NOTE1)	DESCRIPTION	MIN. SUPPLY PIPE SIZE					MOUNT'G HEIGHT
			HW	CW	VENT	TRAP	WASTE	
WH-1	1	A.O. SMITH "DURA-POWER" #DEL-10 WATER HEATER COMMERCIAL, ELECTRIC, 18"φ x 18" HIGH, 10 GAL CAP., 7 GPH @ 90F TEMP. RISE 1,500 WATT, SINGLE ELEMENT, 120V/1φ, WITH: #PMC-2 EXPANSION TANK, HOLDRITE "QUICK STAND" #30-SW-HP-M, SUSPENDED EQUIPMENT PLATFORM, 18 GAGE PAN, DRAIN NIPPLE, WATERTIGHT WELDED CORNERS, THREADED RODS.	3/4"	3/4"	-	-	-	CEILING SUSPENDED
WC-1	2	WILLOUGHBY #ETWS-1490-CM WATER CLOSET 14 GAUGE, 304 STAINLESS STEEL, #4 SATIN EXPOSED FINISH, CARRIER MOUNTED, ELONGATED BOWL, SIPHON JET FLUSH, 1.28 GPF, WITH BACK SPUD, HIGH POLISH SEAT, WITH ZURN #Z1203-N-X HEAVY-DUTY 500LB CARRIER WITH REAR ANCHOR TIE DOWN, CAST-IRON COUPLING, AND PROVISIONS FOR 8" BLOCK WALL. WITH SLOAN OPTIMA #152-1.28 ES-S TMO SWB FLUSHOMETER, SENSOR OPERATED, CONCEALED, WITH MECH OVERRIDE, 13"/13" STAINLESS STEEL WALL BOX, AND 120V/24V X'FMR (NOTE 2).	-	1-1/4"	2"	INT.	4"	ADA SEE ARCH ELEV'S.
WC-2	2	SAME AS WC-1 EXCEPT FOR MOUNTING HEIGHT.	-	1-1/4"	2"	INT.	4"	SEE ARCH ELEV'S.
UR-1	1	WILLOUGHBY #UW-1317-HEU URINAL 16 GAUGE, 304 STAINLESS STEEL, SATIN EXPOSED FINISH, ALL-WELDED, WALL MOUNTED, CONTOURED SURFACES, 3/4" BACK SPUD, WASHOUT TYPE, 0.25 GPF, WITH 4-POINT ANCHORING SYSTEM AND ALL HARDWARE. WITH SLOAN OPTIMA #195-0.25 ES-S TMO SWB FLUSHOMETER, SENSOR OPERATED, CONCEALED, WITH MECH OVERRIDE, 13"/13" STAINLESS STEEL WALL BOX, AND 120V/24V X'FMR (NOTE 2).	-	3/4"	1-1/2"	1-1/2"	2"	ADA SEE ARCH ELEV'S.
UR-2	1	SAME AS UR-1 EXCEPT FOR MOUNTING HEIGHT.	-	3/4"	1-1/2"	1-1/2"	2"	SEE ARCH ELEV'S.
LAV-1	4	WILLOUGHBY #ES-1015-HC LAVATORY 16 GAUGE, TYPE 304 STAINLESS STEEL, ALL-WELDED, WITH EXPOSED #4 SATIN FINISH, WALL MOUNTED. WITH 4" FAUCET CENTERS FOR CHICAGO #802-VE2805-665CP CAST BRASS METERING FAUCET, PUSH BUTTONS, 1/2" BRASS INLETS, 0.5 GPM V.P. AERATOR, 0.25 GAL/CYCLE. WITH CHROME PLATED ADJUSTABLE P-TRAP, SUPPLIES WITH STOPS, TRUEBRO WHITE #102 SUPPLY/TRAP WRAP ASSEMBLIES, WITH "Z-CLIP" FRONT ANCHORING AND HARDWARE.	1/2" TW	1/2"	1-1/2"	1-1/2"	1-1/2"	ADA SEE ARCH ELEV'S.
DF-1	1	ELKAY #EHW-217C DRINKING FOUNTAIN TWO LEVEL, WALL MOUNTED, HEAVY DUTY, #14 GAUGE TYPE 304 STAINLESS STEEL, POLISHED SATIN FINISH, CONTOURED BASINS, WITH VANDAL RESISTANT BUBBLERS, FRONT PUSH BUTTONS, FLOW REGULATOR, DRAIN, TRAP ASSEMBLIES, 14 GAUGE BOTTOM COVER PLATE, AND SURFACE MOUNTING PLATE.	-	1/2"	1-1/2"	1-1/4"	1-1/2"	ADA SEE ARCH ELEV'S.
MV-1	2	LEONARD #27D-STSTL-REC MIXING VALVE THERMOSTATIC, BRONZE BODY, ASSE 1017 & 1070 LISTED, 1/2" CONN'S, FOR MULTIPLE LAV'S, 3.5 GPM @ 5 PSI DROP, STAINLESS STEEL RECESSED CABINET	1/2"	1/2"	-	-	-	SEE PLAN
HB-1	3	J.R. SMITH #5509QT NON-FREEZE HYDRANT WITH BRONZE NICKEL 1/4 TURN HYDRANT, 3/4" HOSE CONNECTION, INTEGRAL VACUUM BREAKER, STAINLESS STEEL BOX, WITH HINGED LOCKING COVER, AND T" HANDLE KEY	-	3/4"	-	-	-	24" AFF
MB-1	1	FIAT #MSB-24x24 MOP SERVICE BASIN MOLDED STONE WITH DRAIN BODY STRAINER, #889-CC MOP HANGER, #832-AA 30" LONG HOSE & BRACKET, #MSG224x24 S.S. WALLGUARD, #E-77-AA BUMPERGUARDS, WALL MOUNT FAUCET, WITH EXPOSED TOP SUPPLIES, VACUUM BREAKER, 3/4" HOSE THREADED SPOUT, ROUGH CHROME PLATED	1/2"	1/2"	1-1/2"	3"	3"	FAUCET @ 36" AFF
TPV	1	PPP INC. "OREGON #1" TRAP PRIMER VALVE PROVIDE WITH DISTRIBUTION UNIT	-	1/2"	-	-	-	24" AFF

- NOTES: 1. QUANTITIES ARE SHOWN FOR GENERAL REFERENCE ONLY. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL EQUIPMENT SHOWN ON PLANS AND DETAILS.
2. FOR SENSOR OPERATED WATER CLOSETS AND URINALS, PROVIDE ELECTRICAL TRANSFORMER QUANTITY/TYPE, ETC AS RECOMMENDED BY THE MANUFACTURER.

SYMBOL	QUANT. (NOTE1)	DESCRIPTION	TOP FINISH
			GRATE/FRAME
RD-1	1	J.R. SMITH #1015Y-RDP-CID-U ROOF DRAIN 4"φ OUTLET, CAST IRON BODY, WITH 15"φ CAST IRON DOME, FLASHING CLAMP AND GRAVEL GUARD, WITH TOP-SET DECK PLATE, ADJUSTABLE EXTENSION TO SUIT INSULATION/ROOF HEIGHT, AND VANDAL PROOF DOME.	FLUSH WITH ROOF
FD-1	3	J.R. SMITH #2005Y-A-P-B FLOOR DRAIN 4"φ OUTLET, CAST IRON BODY, ADJUSTABLE 8"φ ROUND NICKEL BRONZE STRAINER, TRAP PRIMER CONNECTION, SEDIMENT BUCKET	FLUSH WITH FLOOR
CO-1	2	J.R. SMITH #4434C-U WALL CLEANOUT 4"φ, CAST IRON BODY, BRONZE PLUG, WITH CHROME PLATED BRONZE SQUARE FRAME AND COVER, VANDAL PROOF SCREWS	FACE OF WALL

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DATE	REVISION	NO.	DRAWING SCALE	AS NOTED	DATE	DESIGNED BY	DRAWN BY	CHECKED BY
					JUNE, 2015	JRM	JRM	JRM

HOLDER WRIGHT PARK
VISITOR ORIENTATION SPACE
CITY OF DUBLIN
MECHANICAL SCHEDULES & SPECIFICATIONS

PROJECT NO:	14626
SHEET	2
OF	2

ELECTRICAL SYMBOL LEGEND

	DUPLEX RECEPTACLE, 20 A, 120 V, MOUNTED AT 18" AFF U.O.N. GFI - INDICATES GROUND FAULT INTERRUPTING TYPE WP - INDICATES WEATHER PROOF IN USE COVER
	DOUBLE DUPLEX RECEPTACLE, 20 A, 120 V, MOUNTED AT 18" AFF U.O.N.
	DUPLEX RECEPTACLE, 20 A, 120 V, CEILING MOUNTED
	SINGLE-POLE SWITCH, 20 A, 120/277 V RATED
	LOW VOLTAGE SENSOR OVERRIDE SWITCH, TO BE PROVIDED WITH THE OCCUPANCY SENSOR/ SWITCH PACK
	NON-FUSED DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH
	ELECTRICAL PANEL
	DRY TYPE TRANSFORMER
	JUNCTION BOX
	CEILING MOUNTED OCCUPANCY SENSOR
	MOTION DETECTOR
	PHOTO CELL

ELECTRICAL SPECIFICATIONS

- THE ELECTRICAL CONTRACTOR SHALL APPLY FOR AND SECURE ALL COSTS AND CHARGES FOR PERMITS, CONSTRUCTION, AND MISCELLANEOUS WORK ASSOCIATED WITH AND REQUIRED FOR THE COMPLETION OF THE PROJECT ELECTRICAL WORK.
- THE ELECTRICAL CONTRACTOR SHALL ARRANGE FOR ALL INSPECTIONS OF ELECTRICAL WORK BY ALL INSPECTION AUTHORITIES HAVING JURISDICTION. COPIES OF INSPECTION REPORTS SHALL BE MADE AVAILABLE TO THE OWNER UPON REQUEST, AND THREE (3) COPIES OF THE APPROVED FINAL INSPECTION REPORT SHALL ACCOMPANY THE REQUEST FOR FINAL PAYMENT.
- ALL WORK SHALL BE IN STRICT ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, OHIO BUILDING CODE, LOCAL CODES AND ORDINANCES WHERE APPLICABLE, AND REQUIREMENTS OF O.S.H.A.
- ALL MATERIALS AND EQUIPMENT FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR SHALL BE NEW, U.L. LISTED OR LABELED, AND CONFORM TO NEMA AND ANSI STANDARD WHERE APPLICABLE.
- THE CONTRACTOR SHALL VISIT THE SITE AND FULLY FAMILIARIZE HIMSELF WITH ALL CONDITIONS WHICH AFFECT HIS WORK PRIOR TO BID. COORDINATE AND SCHEDULE WORK WITH OTHER TRADES TO ENSURE SATISFACTORY PERFORMANCE, AVOID DELAYS AND DUPLICATIONS AND MEET THE OWNER'S COMPLETION SCHEDULE FOR THE USE OF THE BUILDING.
- ALL WORK SHALL BE INSTALLED BY WORKMEN FULLY SKILLED IN THE WORK TO BE PERFORMED. REPAIR OR REPLACE EXISTING EQUIPMENT OR PROPERTY OF THE OWNER DAMAGED BY ELECTRICAL TRADES WORKMEN.
- THE ELECTRICAL CONTRACTOR SHALL GUARANTEE MATERIALS AND WORKMANSHIP PROVIDED BY HIM FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF OWNER'S FINAL ACCEPTANCE. REPAIR OR REPLACE ANY DEFECTIVE MATERIALS OR EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER WITHIN THE GUARANTEE PERIOD.
- ALL ELECTRICAL WIRING SHALL BE INSTALLED IN CONDUIT. CONDUIT SHALL BE EMT, INTERMEDIATE, OR RIGID GALVANIZED IN ACCORDANCE WITH AND AS PERMITTED BY THE NATIONAL ELECTRICAL CODE OR LOCAL/STATE CODES AS APPLICABLE. UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 PVC, 1" MINIMUM.
- FURNISH AND INSTALL PULL BOXES, JUNCTION, AND DEVICE BOXES OF SUITABLE CODE GAUGE AND SIZE. ALL TERMINATIONS IN IN-GROUND PULL BOXES SHALL BE LIQUID-TIGHT.
- ELECTRICAL WIRES SHALL BE MINIMUM #12 AWG, COPPER, 600 V RATED. #14 AWG COPPER SHALL BE PERMISSIBLE FOR CONTROL CIRCUITRY. AMPACITY RATINGS SHALL BE BASED UPON 75°C RATINGS.
 - #14, #12, AND #10 AWG CONDUCTORS SHALL BE "THHN/THWN".
 - #8 AND LARGER SHALL BE STRANDED "THHN/THWN".
- FLEXIBLE METAL CONDUIT INCLUDING LIQUIDTIGHT SHALL BE PERMITTED WHERE IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE AND LOCAL CODE PROVISIONS. FLEXIBLE METAL CONDUIT SHALL CONTAIN A SEPARATE GROUNDING CONDUCTOR AND BE TERMINATED WITH APPROPRIATE FITTINGS.
- THE DRAWINGS ARE DIAGRAMMATIC AND INTENDED TO DESCRIBE THE WORK REQUIRED. THE ELECTRICAL CONTRACTOR SHALL ACCURATELY FIELD MEASURE AND LAY OUT HIS WORK TO EFFECTIVELY ACHIEVE A STRUCTURALLY COORDINATED INSTALLATION WITH THE BUILDING LAYOUT AND OTHER TRADES.
- COORDINATE ALL SERVICE ENTRANCE REQUIREMENTS WITH THE LOCAL ELECTRIC UTILITY COMPANY TO ENSURE COMPLIANCE TO UTILITY COMPANY REQUIREMENTS. PROVIDE A COMPLETE GROUNDING SYSTEM.
- DISCONNECTION, RECONNECTION, AND RELOCATION OF EQUIPMENT SHALL BE COORDINATED SO AS TO CAUSE MINIMAL DISRUPTION OF SERVICE.
- RECEPTACLES SHALL BE 20 A, 125 V AC RATED, HUBBELL #5362, LEVITON, PASS & SEYMOUR, OR APPROVED EQUAL EQUIPMENT.
- DEVICE COVER PLATES SHALL BE STAINLESS STEEL OF A TYPE TO SUIT DEVICE. MULTIPLE GANGED PLATES SHALL BE USED WHERE DEVICES ARE ADJACENT TO EACH OTHER. WEATHERPROOF RECEPTACLES SHALL BE EQUIPPED WITH SPRING TYPE CAP COVER PLATES.
- LIGHTING FIXTURES SHALL BE AS SCHEDULED ON THE DRAWINGS. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND IN ACCORDANCE WITH APPLICABLE PROVISIONS OF NATIONAL ELECTRICAL CODE ARTICLE 410.
- ELECTRICAL DISTRIBUTION PANEL SHALL BE SURFACE MOUNTED DEAD FRONT, WITH A 100A BUS RATING AND A 100A MAIN CIRCUIT BREAKER, WITH CODE GAUGE BACKBOX, LOCKABLE HINGED DOOR, 120/240 V, 1Ø, 3 WIRE WITH SOLID NEUTRAL AND GROUND BAR, U.L. LISTED AND CONFORMING TO NEMA STANDARDS, SUITABLE FOR USE AS SERVICE ENTRANCE EQUIPMENT. PANEL SHALL BE EQUIPPED WITH SINGLE POLE OR DOUBLE POLE BOLTED BRANCH CIRCUIT BREAKERS AS INDICATED. CIRCUIT BREAKERS SHALL BE RATED 10,000 A.I.C. SYMMETRICAL. PANELBOARDS SHALL BE SQUARE D "NQOD", OR APPROVED EQUAL EQUIPMENT. MULTI-POLE CIRCUIT BREAKERS SHALL BE COMMON TRIP.
- PROVIDE TYPEWRITTEN PANELBOARD CIRCUIT DIRECTORY IN PANELBOARD DOOR IDENTIFYING ALL ACTIVE CIRCUITS AND SPARES. ACTIVE CIRCUITS SHALL DESIGNATE EQUIPMENT SERVED.
- IDENTIFY PANELBOARDS AND USAGE OF PANELBOARD CIRCUIT BREAKERS WITH PLASTIC LAMINOID NAMEPLATES. NAMEPLATES SHALL INDICATE PANEL DESIGNATION, VOLTAGE, AND USE.
- BALANCE ALL LOADS IN PANELBOARDS.

KEYNOTES

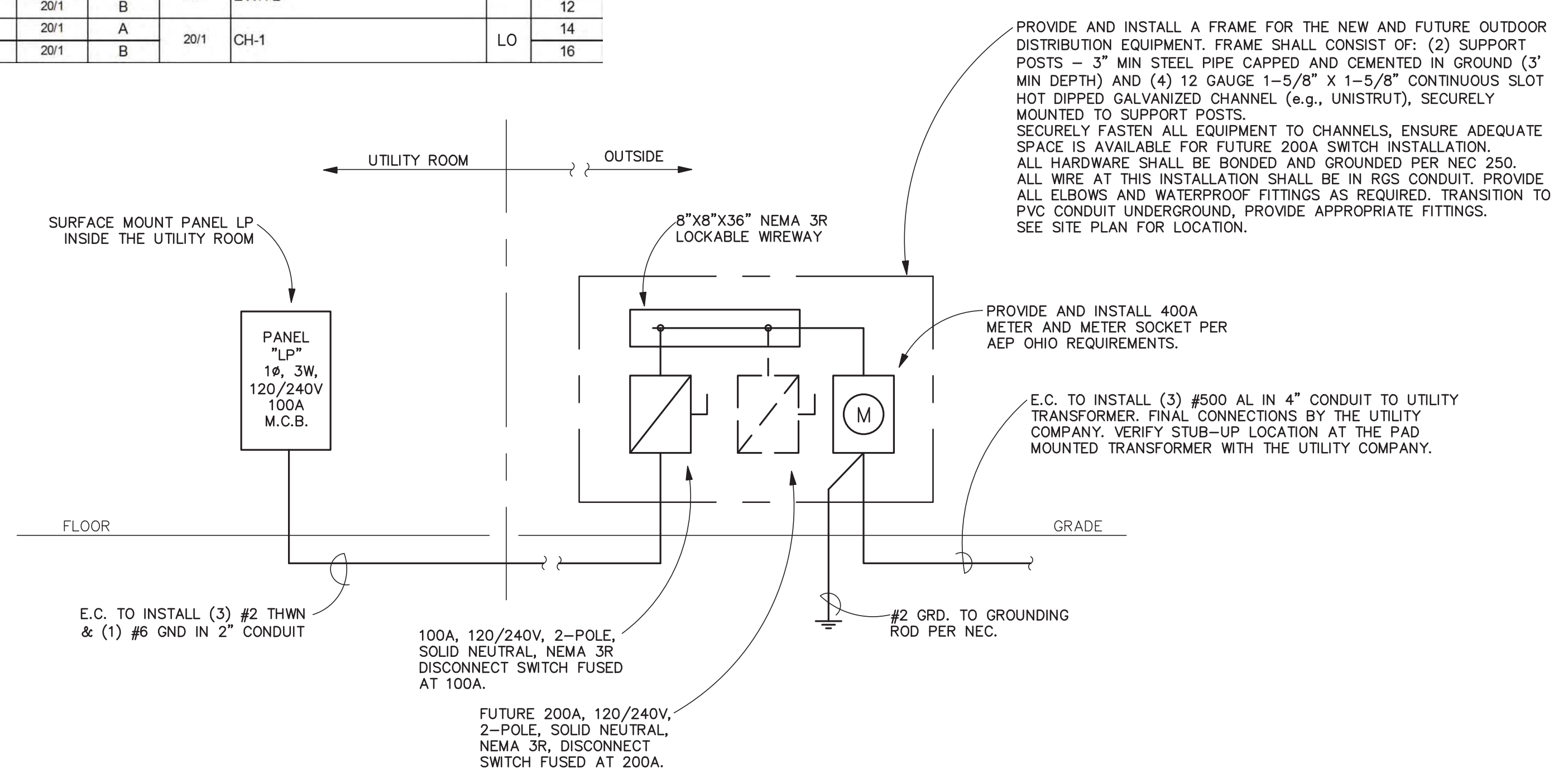
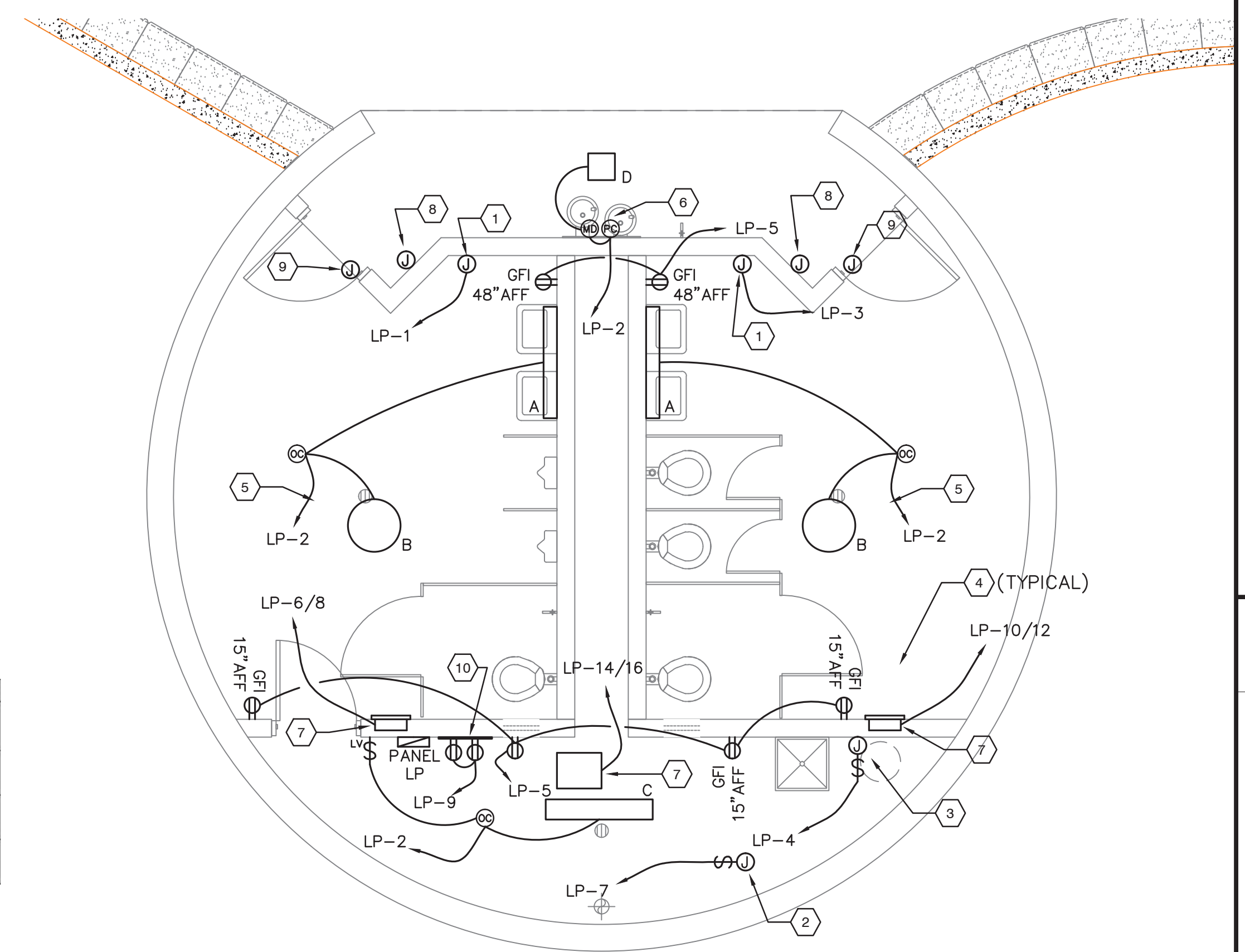
- JUNCTION BOX AND DEDICATED CIRCUIT FOR 120V HAND DRYER. VERIFY EXACT LOCATION WITH ARCHITECTURAL ELEVATIONS/ EQUIPMENT CUT SHEETS.
- JUNCTION BOX, TOGGLE DISCONNECT SWITCH AND DEDICATED CIRCUIT FOR 120V EXHAUST FAN EF-1. PROVIDE A 12 MONTH, 24 HOUR, ASTRONOMICAL TIMECLOCK FOR FAN CONTROL IN NEMA 1 ENCLOSURE, AS MANUFACTURED BY TORK, INTERMATIC OR EQUAL. MOUNT TIMECLOCK NEXT TO PANEL LP.
- JUNCTION BOX, TOGGLE DISCONNECT SWITCH AND DEDICATED CIRCUIT FOR 120V ELECTRIC WATER HEATER.
- PROVIDE EACH OUTLET WITH A SPRING LOADED COVER WITH A NEOPRENE GASKET.
- WIRE EACH RESTROOM LIGHTING THROUGH THE SWITCH-PACK, CONTROLLED BY THE CEILING MOUNTED OCCUPANCY SENSOR. AHOMC-P-0450-R BY COOPER OR EQUAL. PROVIDE SENSOR WITH MATCHING SWITCH-PACK.
- MOTION DETECTOR WITH INTEGRAL PHOTOCELL. MS180 SERIES BY COOPER OR EQUAL.
- 240V HEATER. SEE MECHANICAL PLANS FOR ADDITIONAL INFO. PROVIDE (3) #12 & (1) #12 GND TO PANEL LP. PROVIDE CIRCUIT BREAKER WITH LOCK-OUT PROVISION.
- JUNCTION BOX AND 3/4" CONDUIT TO SECURITY BACKBOARD FOR CARD READER. VERIFY REQUIREMENTS WITH THE SECURITY SYSTEM VENDOR.
- JUNCTION BOX AND 3/4" CONDUIT TO SECURITY BACKBOARD FOR DOOR STRIKES. VERIFY REQUIREMENTS WITH THE SECURITY SYSTEM VENDOR.
- 3/4"x2"x3" PLYWOOD BACKBOARD AND TWO POWER OUTLETS FOR SECURITY EQUIPMENT BOARD. VERIFY REQUIREMENTS WITH THE SECURITY SYSTEM VENDOR

LIGHT FIXTURE SCHEDULE

DESIGNATION	DESCRIPTION	MANUFACTURER/MODEL	NOTES
A	VANDAL RESISTANT, CORNER MOUNT FLOURESCENT FIXTURE	LITHONIA VDC-1-32-120-GE810S OR EQUAL	
B	LED FIXTURE INTEGRAL TO SOLA-TUBE DAYLIGHTING MODULE	SEE ARCHITECTURAL SOLA-TUBE SPECIFICATIONS	
C	LED WRAP-AROUND FIXTURE, SURFACE MOUNTED	LITHONIA SB4 LP835 OR EQUAL	
D	LED CANOPY LIGHT, SURFACE MOUNTED	LITHONIA OLWCM 46	

PANELBOARD SCHEDULE

Panelboard	"LP"	Voltage	120/240V	Phase	1			
Panel Type	NQOD	OCBD	100A M.C.B.	Wire	3			
NEMA Type	12	Mounting	SURFACE	Bus	100A			
Ckt. No.	DES	Load Description	Brkr. Size *	Phase	Brkr. Size *	Load Description	DES	Ckt. No.
1		HAND DRYER M	20/1	A	20/1	LIGHTS		2
3		HAND DRYER F	20/1	B	20/1	WATER HEATER		4
5		RECEPTACLES	20/1	A	20/1	EW-1		6
7		EXHAUST FAN	20/1	B	20/1			8
9		SECURITY SYSTEM	20/1	A	20/1			10
11		SPARE	20/1	B		EW-2	LO	12
13		SPARE	20/1	A				14
15		SPARE	20/1	B	20/1	CH-1	LO	16



POWER RISER DIAGRAM NTS

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DRAWN BY:	NSS
CHECKED BY:	NSS

HOLDER WRIGHT PARK VISITOR ORIENTATION SPACE CITY OF DUBLIN ELECTRICAL PLAN & DETAILS

PROJECT NO:
14626

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